Maritime Heritage Minnesota

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Log Book 43 of the USS Essex

April 1, 1899 - October 10, 1899

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



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USS *Essex* Log Book 43

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The editing of this log book and the creation of the finding aid was made possible by a generous donation from MHM friend and supporter Dr. Natalie Rosen.

Log Book 43 of the USS *Essex*: April 1, 1899-October 10, 1899

The National Archives houses USS *Essex* Log Book 43. Throughout Log Book 43, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions; sometimes specific boiler are mentioned by their letter designation
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- discharging ashes onto a lighter
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- testing flood cocks in magazine and gun rooms
- testing of all electrical apparatus
- crew conducting ship maintenance: engine maintenance/repair, boiler maintenance/repair, coal bunker maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, caulking the decks, iron work maintenance/repair, rigging repair/replacement, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, repairing sails, replacing sails, scraping and slushing spars, scrubbing masts and yards, repairing masts, hawser (mooring lines) maintenance/repair/replacement, condenser bed timber repair/replacement, engine bed timber repair/replacement, steam cutter maintenance/repair, steam/sail launch maintenance/repair, gig maintenance/repair, dinghy maintenance/repair, whale boat maintenance/repair, turned and cleaned hammocks and bedding, painting hammock netting panels, scraping and blacking boat davits, repaired ground tackle, repaired sounding apparatus, scraping out smokepipe, inspected cotton primers, repairing binnacles, repairing waste pipes of magazine and shell room, repairing rail, repaired skylights, repaired awning stanchions, awning repair/replacement, repairing air ports, repairing gun ports, repairing water closets, gun carriage/battery maintenance/repair

- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), target practice with the air gun, floating target practice, boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, on shore target practice, general quarters drills, small arms drills, fire drills, single stick drills, revolver drills, torpedo drills, passing powder drills, fuze drills, abandon ship drills, man overboard drills, Gatling gun drills, howitzer drills, skirmishing, battalion drills, machine gun drills, pistol drills, rifle drills, bayonet drills, target practice with targeting hanging from a yardarm, Morse signal drills, landing party drills, navigation drills, man overboard drills, signaling with the flagship, Army and Navy signaling drills, watch signal drills, international signal drills, basic medical training (tourniquets, resuscitation), Marine Guard drill
- Marine Guard drills in the cutter
- cadet/apprentice drills: signaling drills, wig-wag signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 43, on April 1, 1899, the USS *Essex* is in Kingston Harbor, Jamaica under the command of Commander Frank Courtis. The crew and apprentices are conducting routine drills; an apprentice lost a cutlass overboard. On April 6, the crew half-masted the ship's colors on orders from a Navy Department cable honoring the internment of soldiers killed at the Battle of Santiago. The log detailed the movements of watercraft in the busy port including USS *Texas*, USS *Indiana*, German steamer

Rumania, English steamers *Adula*, *Darien*, Atrata, and Ardanrose, RMS *Essquibo*, Danish bark *Gorgesen*, and Atlas Line steamer *Alene* from New York. Underway on April 8, having taken on board former sergeant M.J. Taylor for passage back to the US. On April 10, *Essex* anchored in Santiago Harbor and exchanged numbers with US Survey Gunboat *Yankton*. The next day, some apprentices were chaperoned by the ship's chaplain to visit Castle Morro. On April 13, several crewmen visited the wreck of the Spanish Armored Cruiser *Almirante Oquendo* that sank during the Battle of Santiago. The log chronicled the movements of several ships at Santiago including US Survey Gunboat *Yankton*, Cuban steamer *Maria Henera*, American steamer *Comal* of New York, Spanish steamer *Francisca*, US Survey Gunboat *Eagle*, and the Spanish Armored Cruiser *Almirante Oquendo.* The next morning, *Essex* left Santiago for Guantanamo Bay, where she anchored and provisioned with coal. The ship left the bay on April 15 and 2 days later, the crew replaced the watercraft's old foresail. USS *Essex* traveled under both sail and steam, responding to a red, white, and blue flare with a green star shot from a Very flare gun. The ship took on a pilot on April 24 for entrance into Havana Harbor; they moored to a buoy off the Machina and fired a salute to Chief Commodore B.J. Cromwell of the USN. The salute was returned by the shore batteries and *Essex* exchanged signals with USS *Resolute*. The ship took on mail and sent nighttime signals to *Resolute* regarding the type of water that was needed on board, where to on-load it, and the price. The next day, Ward Line steamer *Seneca* grounded on her way out of the harbor; she was pulled off by tugs. Other ships detailed in the log include mail steamer *Mascoite*, US Army Medical steamer *Missouri*, Ward Line steamer *Seneca*, and steamers *Siguranca*, *Olivette*, and *City of Washington*. *Essex* left Havana on April 27 and the next day she experienced heavy swells; she remained steaming forward through the end of the month.

On May 1, 1899, USS *Essex* went through heavy rolling seas under both steam and sail, into Port Royal, SC; the ship exchanged numbers with USS *Amphitrite*. The Quarantine Officer put the ship and her crew into quarantine. On May 4, the ship's steam launch made 2 trips to the Naval Station and throughout the first part of May, the crew and apprentices engaged in boat handling and weapons drills. On May 11, a copy of *Flags of Maritime Nations* was delivered to the ship's library and the next day, the crew went about coaling the ship. While in port, the log chronicled movements of USS *Amphit*rite, USS *Lancaster*, USS *Prairie*, Norwegian steamer *King William*, Naval Station Tugs *Hercules* and *Waban*, USS *Peoria*, and English tramp steamer *Emma*. On May 16, USS *Essex* steamed out of Port Royal Sound, and set out to investigate what was thought to be a wrecked ship; the 'wreck' was a very large log with stumps of limbs sticking out. The crew and apprentices conducted ship handling and weapons drills, and on May 18, the ship passed large quantities of gulf weed and witnessed a brilliant lightning show. The next day, the ship sighted Cape Hatteras Light and Currituck Light, and she anchored at Cape Charles Light. On May 20, *Essex* anchored at Hampton Roads; the next day, the Navy Wrecking Tug *Rescue* towed in the wrecked and captured Spanish cruiser *Reina Mercedes*. On May 24, Captain F. W. Dickens, USN, inspected the crew, apprentices, and the ship; fire and divisional drills were held. While in Hampton Roads, the log described interactions with USS *Vixen*, USS *Peoria*, USS *Alliance*, USS *Amphitrite* USS *Lancaster*, and USS *Glacier*. The next day, *Essex*

headed for and moored at the Norfolk Navy Yard dock. The ship's engine was inspected by the Chief Engineer of the Yard and the topgallant yard lost about a foot of its length when *Essex* shifted berth. For the remainder of May, Yard workman conducted repairs and maintenance, stores were received and stowed, and men were received from USS *Richmond*. On May 29, *Essex* moved into the drydock, was pumped out, and Yard workmen came on board for repairs and maintenance. The log noted the movements of USS *Amphitrite* and the captured Spanish cruiser *Reina Mercedes*, men sent to USRS *Richmond*, USRS *Wabash*, and USRS *Vermont*, and a visit to USRS *Franklin*.

On June 1, 1899, the *Essex* log contains lists of crewmen transferred to and from USRS *Franklin*, USRS *Vermont*, and USRS *Constellation*; transfers continued throughout the month. For the first 3 weeks of the month, Yard workmen conducted repairs and maintenance while crewmen performed such tasks as tarring down stays, shrouds, and foot ropes, overhauling blocks, and cleaning the bilges. *Essex* left the drydock on June 9 and moored alongside a quay wals that was north of the USS *Newport*. Effects of deserts sold at auction for $2.20 and $1.00 respectively, and on June 15, log books were received on board. The actions of several ships were noted; *Reina Mercedes* shifted her berth to be next to the drydock, USS *San Francisco* floated into and out of the drydock, and the USS *Prairie* anchored near Fort Norfolk. On June 23, tugs assisted *Essex* in clearing the Navy Yard and moored at the Newport Navy Yard 2 days later. The log notes that racing yachts *Columbia* and *Defender*[1] took practice spins 'riding between wind and tide' and on June 26, the CO visited all the ships of the North Atlantic Squadron. On June 29, *Essex* half masted her colors in imitation of USRS *Constellation,* recognizing a funeral at the Training Station; later that night the Northern Lights were seen. On the last day of June, all divisions drilled at the main and secondary batteries; the Training Station wig-wagged to *Essex* - "Send boat for one man". Ships also noted in the log were USS *New York*, a Holland-American Line steamer, guardship USS *Massachusetts*, USS *Texas*, USS *New Orleans*, USS *Alliance*, USRS *Wabash*, USS *Indiana*, and USRS *Constellation*.

On July 3, *Essex* dressed in honor of the Battle ofSantiago; noontime salutes were fired by all the ships in port, boat drills were held, and evening dress comprised of yard arm and mast head decorations with lanterns. On the 4th of July, *Essex* dressed along with the North Atlantic Squadron vessels and USRS *Constellation*[2]. Boat races were held between ship's crews and in the evening, the crew sent aloft lanterns, as did *Constellation*, the Squadron ships, the War College, and Torpedo Station. For the next 9 days, the log chronicled activities in the port, including a profit of $7.75 for selling the affects of 6 deserters, and the arrival of the Assistant Secretary of the Navy on board USS *Dolphin*; visits were exchanged. The log detailed activities around the USS *Massachusetts*, USRS *Richmond*, USRS *Vermont*, USRS *Wabash*, USS *Dolphin*, and the torpedo boat USS *Morris*. USS *Essex* left Newport on July 13 and the next day, rolling seas were recorded to the point of 8 rolls from port to starboard each minute; the

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[1]Yachts *Columbia* and *Defender* were America's Cup winners, both constructed by the Herreshoff Manufacturing Company of Bristol, Rhode Island, and designed by Nathanael Greene Herreshoff. *Columbia* was owned in part by J.P. Morgan and *Defender* was owned in part by W.K. Vanderbilt.

[2]The painting on the cover of this log book is Reynold Beal's 'USS *Essex* at Newport', July 4, 1899.

log detailed the ship's rolls in rolls per minute and degrees until July 26 and again on July 30. On July 16, *Essex* exchanged colors with the French steamer *Normandie*, 5 days later she exchanged signals with American Line steamer *St. Paul*, and on July 23, she signaled the Spanish steamer *El Sallo*.

During the first 13 days of August, *Essex* traveled east through the North Atlantic, with the apprentices conducting exercises with the running and standing rigging, knotting and splicing, and other drills. On August 7, the crew painted the insides of the ship's boats and a lamp from the port side navigation light fell overboard. The next day, *Essex* signaled her name and B.Q.C. to the British First Class Cruiser *Europa*. Nearing the English coast on August 12, *Essex* exchanged colors with the Baron Line steamer *Baron Huntly*, and sighted the Bishop Rock Lighthouse and then the Lizard Lights. The crew sighted Eddystone Lighthouse on August 13 and *Essex* moored in Plymouth Harbor, England. For the next 9 days, the log chronicled the apprentices and crew blacking the ship and heading to shore for treatment at the South Devon and East Cornwall Hospital. The ship's apprentices also visited the dockyard and to see the men of war moored in the harbor. An apprentice fell overboard; he could not swim, but was rescued by the Chief Bosun and another apprentice. The movements of many ships in the busy harbor were recorded including HMS *Nile*, HMS *Gossamer*, HMS *Melampus*, training brigs HMS *Nautilus*, HMS *Liberty* and HMS *Pilot*, HMS *Thistle*, Admiralty-Class Battleship HMS *Benbow*, British Battleship HMS *Colossus*, torpedo gunboat HMS *Sharpshooter*, British Battleship HMS *Collingwood*, Battleship HMS *Ocean*, and the American steam yacht *Queen Mab*. On August 21, USS *Essex* left Plymouth, taking a pilot for Southampton on board; the next morning the ship stood into the Solent and anchored in Southampton. The apprentices conducted drills and the race boat crew conducted practice. The log book detailed the movements of ships in the harbor including English guard ship HMS *Australia*, cruiser HMS *Medea*, USS *Alliance*, RMS *Don*, Castle Shipping Line ship *Arundel Castle*, American Line steamer *St. Paul*, American steam yacht *Sapphire*, Castle Shipping Line ship *Kinfaus Castle*, Union Line ship *Briton*, American yacht *Niagara*, German steamer *Kaiser Wilhelm der Grosse*, and American Line steamer New York.

On September 1, the *Essex* crew and apprentices held away boats drills under oars and sail, practiced sending up and down the royal yards, and the bilges were cleaned. For the next 8 days, the apprentices were instructed in ordinance, gunnery, knotting, and splicing, and all boats were sent out for exercise under oars and sails. Many ships are noted in the log including the Hamburg-American Line steamer *Columbia*, British Torpedo Boat *No. 27*, American yacht *Niagara*, American Line steamer *St. Paul*, HMS *Australia*, Torpedo Destroyer *Flying Fish*, North German Lloyd steamer *Saale*, Torpedo Boat *26i*, *Destroyer #7*, and English Transport #1 *Dunerd*. On September 9, USS *Essex* left Southampton toward the Needles, and a large fleet of British ships were spotted lying in Portland Roads. For the next 11 days, *Essex* headed toward Gibraltar under both sail and screw, with the apprentices 'learning the gear' of splicing and knotting rigging. The crew spotted HMS *Thistle* and exchanged colors, as well as many other vessels. One crewman was punished for attempting to deceive after he broke the elevating shaft of the #4 Rapid Firing Gun. On September 19, company and battalion

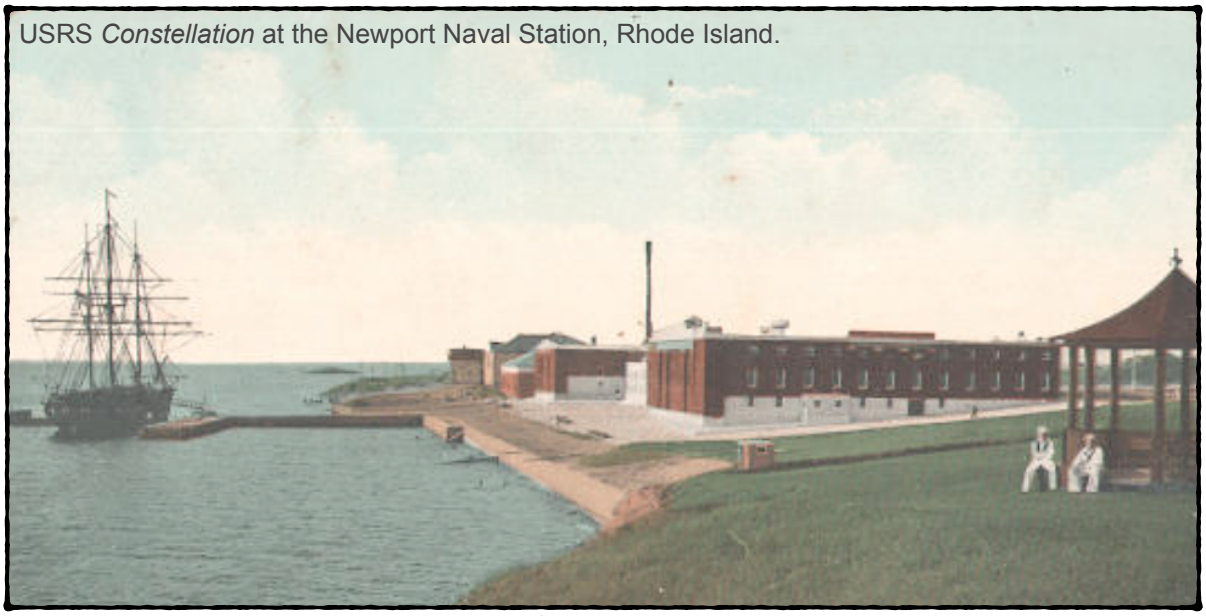
drills were held, along with a Dress Parade, and colors were exchanged with an Austrian steamer and an Italian barque. *Essex* anchored in Gibraltar on August 20 and conducted whale boat and dinghy exercises, crossing and sending down light yards, and a Battalion Drill in heavy marching order. The log also noted the activities of HMS *Polyphemus*, HMS *Devastation*, P & O Company mail steamer *Brittania*, HMS *Earnest*, British transport *Nubia*, HMS *Andromeda*, British steamer *City of Vienna*. USS *Essex* got underway on September 30, leaving Gibraltar for Algiers. Upon arrival, official visits were exchanged until October 10. The log also mentioned British steamer *Sardinian Prince* and French Torpedo Boat *Gague*.

Tags:
sloop-of-war USS *Essex*, USS *Texas*, USS *Indiana*, German steamer *Rumania*, English steamer *Adula*, English steamer *Darien*, RMS *Essquibo*, Danish bark *Gorgesen*, Atlas Line steamer *Alene*, British steamer *Atrata*, British steamer *Ardanrose*, US Survey Gunboat *Yankton*, Cuban steamer *Maria Henera*, American steamer *Comal* of New York, Spanish steamer *Francisca*, US Survey Gunboat *Eagle*, Spanish Armored Cruiser *Almirante Oquendo*, auxiliary cruiser and transport USS *Resolute*, mail steamer *Mascoite*, US Army Medical steamer *Missouri*, Ward Line steamer *Seneca*, steamer *Siguranca*, steamer *Olivette*, steamer *City of Washington*, USS *Amphit*rite, USS *Lancaster*, USS *Prairie*, Norwegian steamer *King William*, Naval Station Tug *Hercules*, Naval Station Tug *Waban*, USS *Peoria*, English tramp steamer *Emma*, USS *Vixen*, USS *Alliance*, USS *Amphitrite*, wrecked and captured Spanish cruiser *Reina Mercedes*, USS *Glacier*, USRS *Richmond*, USRS *Franklin*, USRS *Wabash*, USRS *Vermont*, USRS *Constellation*, USS *Newport*, USS *San Francisco*, USS *Prairie*, USS *New York*, Holland American Line steamer, racing yacht *Columbia*, racing yacht *Defender*, USS *New Orleans*, USS *Indiana*, USS *Massachusetts*, USS *Dolphin*, torpedo boat USS *Morris*, French steamer *Normandie*, Holland-American Line steamer *Rotterdam*, American Line steamer *St. Paul*, Spanish steamer *El Sallo*, British First Class Cruiser *Europa*, English Baron Line steamer *Baron Huntly*, HMS *Nile*, HMS *Gossamer*, HMS *Melampus*, training brig HMS *Nautilus*, training brig HMS *Liberty*, training brig HMS *Pilot*, HMS *Thistle*, Admiralty-Class Battleship HMS *Benbow*, British Battleship HMS *Colossus*, torpedo gunboat HMS *Sharpshooter*, British Battleship HMS *Collingwood*, Battleship HMS Ocean, and the American steam yacht *Queen Mab*, English guard ship HMS *Australia*, cruiser HMS *Medea*, RMS *Don*, Castle Shipping Line ship *Arundel Castle*, American steam yacht *Sapphire*, Castle Shipping Line ship *Kinfaus Castle*, Union Line ship *Briton*, American yacht *Niagara*, German steamer *Kaiser Wilhelm der Grosse*, Amercian Line steamer *New York*, Hamburg-American Line steamer *Columbia*, British Torpedo Boat *No. 27*, American Line steamer *St. Paul*, HMS *Australia*, Torpedo Destroyer *Flying Fish*, North German Lloyd steamer *Saale*, Torpedo Boat *26i*, *Destroyer #7*, English Transport #1 *Dunerd*, HMS *Polyphemus*, HMS *Devastation*, P & O Company mail steamer Brittania, HMS *Earnest*, British transport *Nubia*, HMS *Andromeda*, British steamer *City of Vienna*, British steamer *Sardinian Prince*, French Torpedo Boat *Gague*, Kingston, Jamaica, Santiago, Cuba, Guantanamo Bay, Havana, Port Royal, South Carolina, Hampton Road, Virginia, Norfolk Navy Yard, Newport Navy Yard, Rhode Island, Plymouth Harbor, England, Southampton, Algiers, Algeria, apprentice training, ship drills, ship maintenance, steam, sail, Donald McKay





Wreck of the *Reina Mercedes*.



USRS *Constellation* at the Newport Naval Station, Rhode Island.



Defender

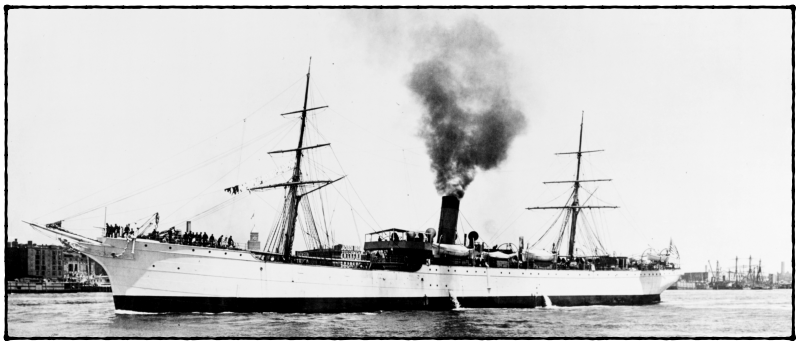


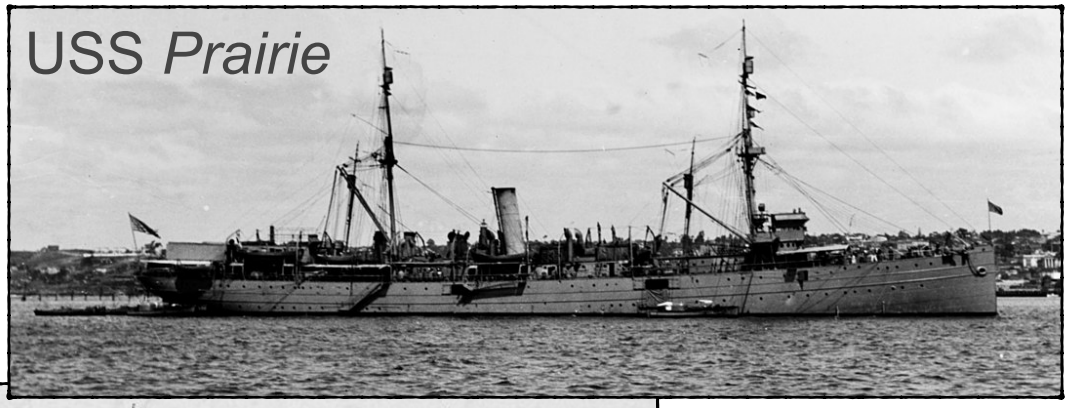
Columbia



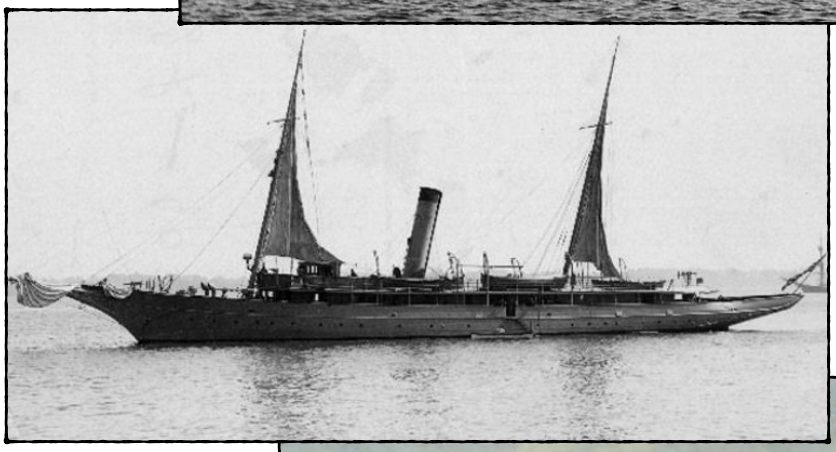
USS *Newport*

USS *Glacier*

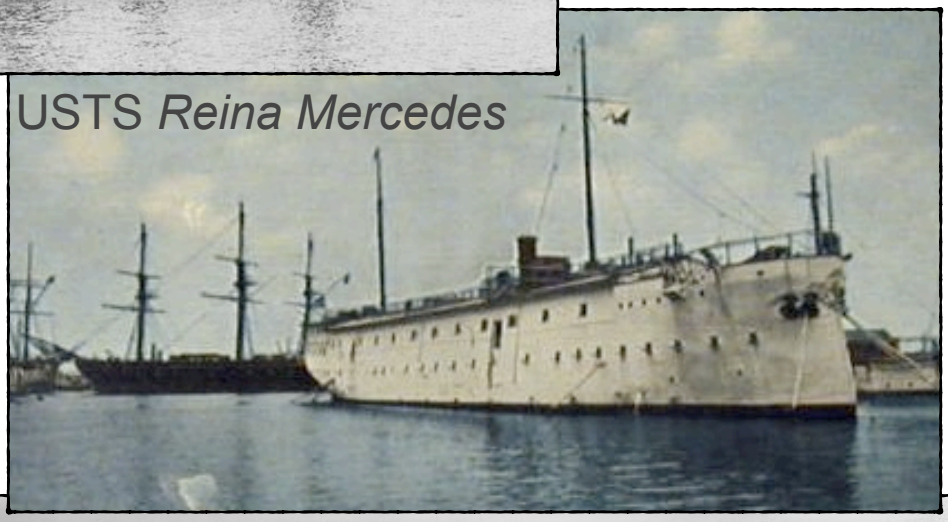




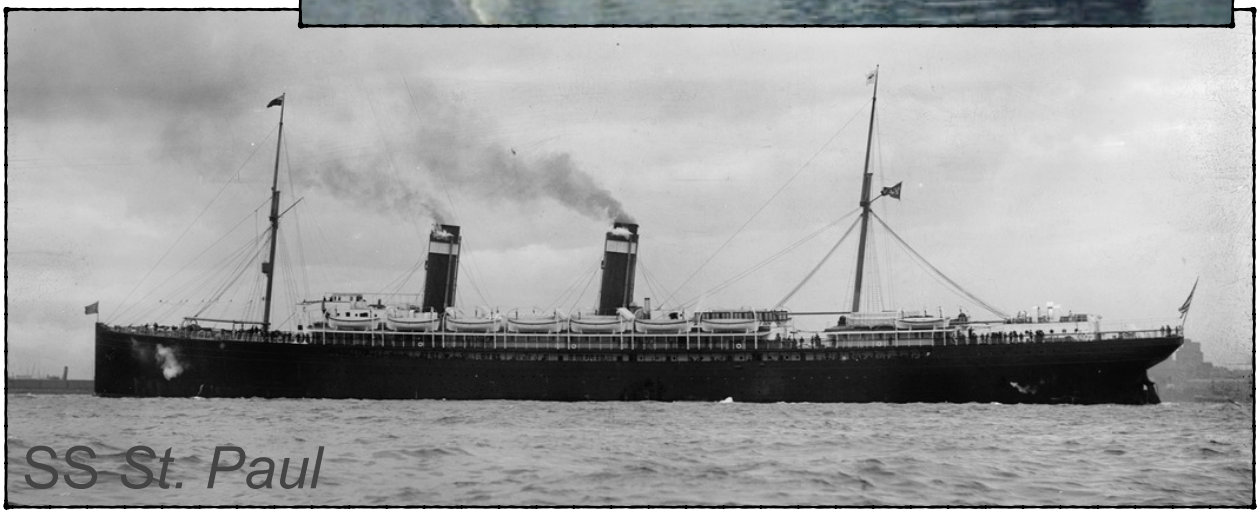
USS *Prairie*



USS *Vixen*

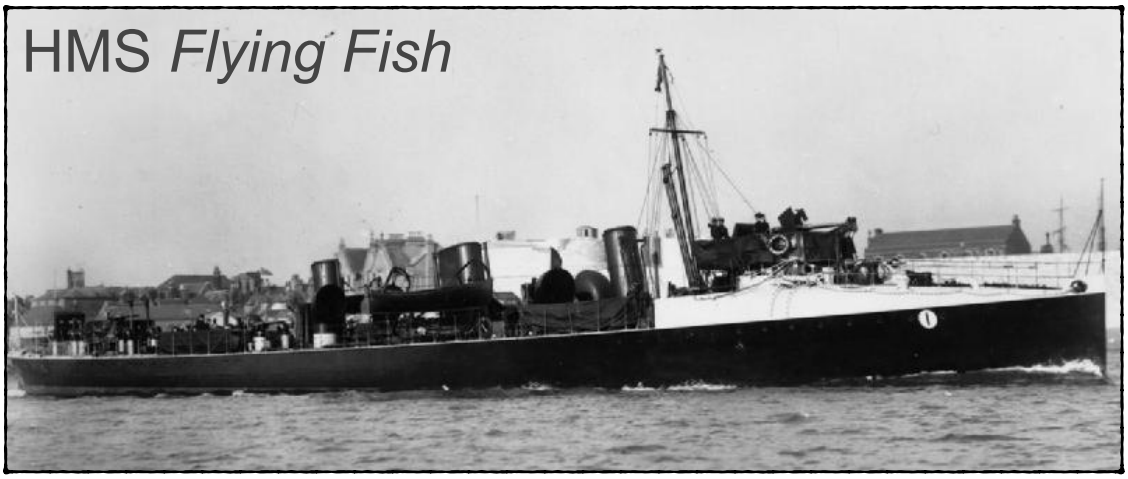


USTS *Reina Mercedes*

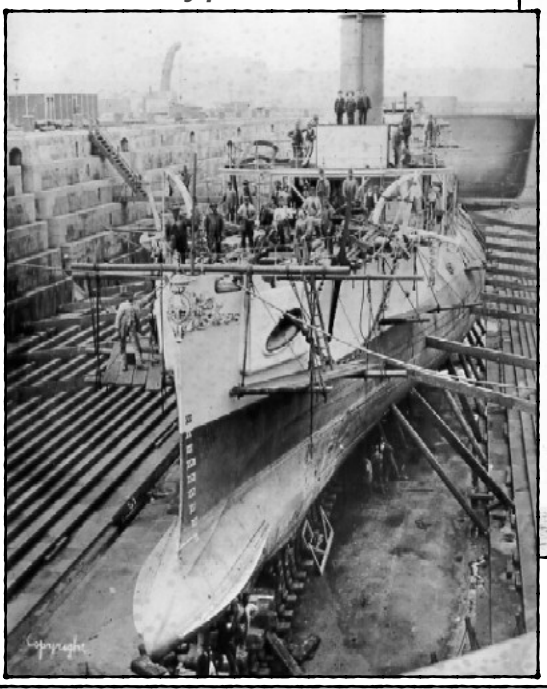


SS *St. Paul*

HMS *Flying Fish*

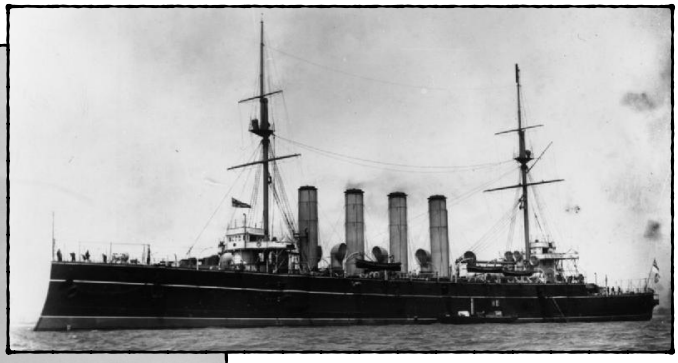


HMS *Polyphemus*

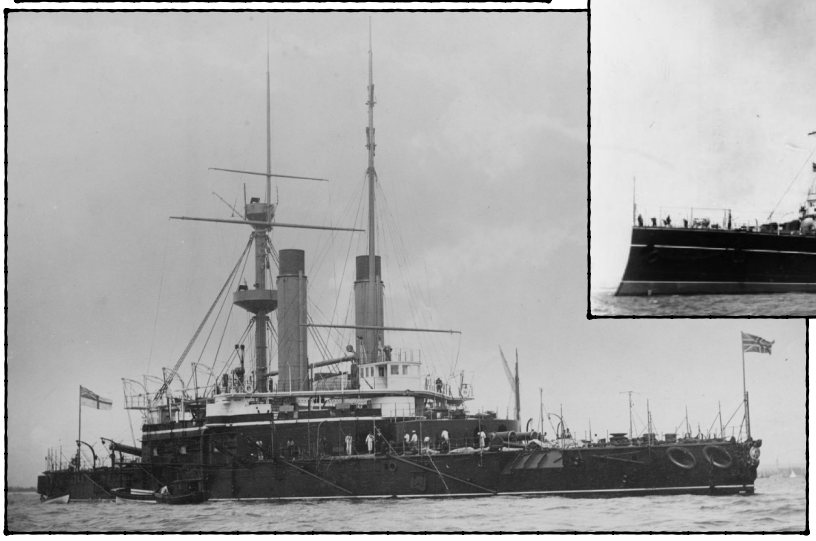


HMS *Benbow*





HMS *Europa*



HMS *Nile*



LOG BOOK

OF THE

U. S. S Essex

3d Rate,

of 12 Guns,

COMMANDED BY

Commander Frank Courtis, U. S. Navy,

Attached to U.S. Training Squadron,

Commencing April 1st, 1899,

at Kingston, Jamaica, B.W.I.

and ending October 10th, 1899,

at Algiers, Algeria, Africa.

BUREAU OF EQUIPMENT
NAVY DEPARTMENT.
1898.

LIST OF OFFICERS

Attached to and on board of the U. S. S Essex, 3d rate, , commanded by Commander Frank Courtis, U. S. N., during the period covered by this Log Book, from April 1st, 1898, to October 10th, 1899.

NAME.		RANK.	NAME.	RANK.
Frank Courtis,	Aug 25, 1898	Commander, U.S.N.		
E. E. Wright,	Aug 20, 1898	Lieutenant, U.S.N.		
J. L. Delany,	Dec 22/1898	Lieutenant, U.S.N.		
C. F. Leiper,	Dec. 21, 1898	Lieutenant, U.S.N.		
L. M. Fahs,	Oct. 31, 1898	Lieutenant, U.S.N.		
C. H. Part,	Oct. 19, 1898	Chaplain, U.S.N.		
W. G. Ammen,	Oct. 9, 1898	P. A. Paymaster, U.S.N.		
J. J. Leyo,	Oct. 9, 1898	P. A. Surgeon, U.S.N.		
H. L. Turner,	Oct. 29, 1898	Ensign, U.S.N.		
H. M. Bennett,	Jan. 1, 1899	Ensign, U.S.N.		
R. Earle	Oct. 31, 1898	Ensign, U.S.N.		
H. S. Clark,	Oct. 17, 1898	Pay Clerk, U.S.N.		
W. J. Manion,	May 6, 1899	Ensign, U.S.N.		
F. P. Baldwin,	June 26, 1899	Ensign, USN.		
O. A. Gill,	June 29, 1899	Chaplain, USN.		

Examined and found to be correct.

E. F. Lupton Jr.
Navigator.

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LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S Essex

commanded by Frank Courtis, Comdr, U. S. N., during the period covered by this Log Book, from April 1st, 1899, to October 10th, 1899.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
R. M. Bennett	Ensign	May 10, Ordered to "Amphitrite"
O. G. Dewey	Lieut., USN.	June 26/99. Ordered home to await orders.
C. A. Parks	Chaplain, USN.	June 29/99 Detached

Examined and found to be correct.

E. F. Leiper, Lt.
Navigator.

4-925

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board

of the U. S. S Essex, 3rd Rate at first commissioning

September 1898.

NUMBER ALLOWED		Ratings.	Number. Complement.	On board.	In hospital.	Vacancies.	In excess.
	SEAMAN BRANCH.	Chief Master-at-Arms	1	1			
		Master-at-Arms, first class					
		Master-at-Arms, second class	1	1			
		Master-at-Arms, third class	1	1			
		Chief Boatswain's Mate	1	1			
		Boatswain's Mates, first class	3	3			
		Boatswain's Mates, second class	8	8			
		Coxswains	8	8			
		Chief Gunner's Mate	1	1			
		Gunner's Mates, first class	1	1			
		Gunner's Mates, second class	1	1			
		Gunner's Mates, third class	2	2			
		Chief Quartermaster	1	1			
		Quartermasters, first class	1	1			
		Quartermasters, second class	1	1			
		Quartermasters, third class	1	1			
		Seamen Gunners					
		Seamen	7	7			
		Ordinary Seamen					
		Apprentices	144	144			
		Landsmen	14	14			
		Total	197	197			
	ARTIFICER BRANCH.	Chief Carpenter's Mate	1	1			
		Carpenters' Mates, first class					
		Carpenters' Mates, second class					
		Carpenters' Mates, third class	1	1			
		Shipwrights	1	0			
		Blacksmiths	1	1			
		Plumbers and fitters					
		Sailmakers' Mates	1	1			
		Painters	1	1			
		Total	6	5			
	ARTIFICER BRANCH—ENGINE ROOM FORCE.	Chief Machinists	1	1			
		Machinists, first class	3	3			
		Boilermakers	1	1			
		Blacksmiths					
		Coppersmiths					
		Water Tenders	1	1			
		Machinists, second class					
		Oilers	2	2			
		Firemen, first class	4	4			
		Firemen, second class					
		Coal passers	4	4			
		Total	16	16			

NUMBER ALLOWED		Ratings.	Number. Complement.	On board.	In hospital.	Vacancies.	In excess.
	SPECIAL BRANCH.	~~Apothecaries~~ Hosp. Stwd	1	1			
		Yeomen: Equipment	1	1			
		Yeomen: ~~Engineers~~ Com	1	1			
		Yeomen: Pay	1	1			
		Writers, first class	2	0			
		Writers, second class	0	1			
		Writers, third class	1	2			
		Buglers, or apprentices for	1	1			
		~~Buymen~~ Hosp Asst 1 Cl	1	0			
		# 4th	1	2			
		Total	10	10			
	MESSMEN BRANCH.	Cabin Steward	1	1			
		Cabin Cook	1	1			
		Mess Attendant	1	0			
		Wardroom Steward	1	1			
		Wardroom Cook	1	1			
		Mess Attendants	5	5			
		Steerage Steward					
		Steerage Cook					
		Mess Attendants					
		Warrant Officer's Steward					
		Warrant Officer's Cook					
		Mess Attendant					
		Ship's Cooks, first class	1	1			
		Ship's Cooks, second class	1	1			
		Ship's Cooks, third class	1	0			
		Ship's Cooks, fourth class	3	4			
		Total	16	15			
	ADDITIONAL FOR FLAGSHIP.	Coxswain to (commander-in-chief)					
		Seamen					
		Apprentices					
		Bandmaster					
		First Musician					
		Musicians, first class					
		Musicians, second class					
		Printer					
		Yeoman					
		Steward (to commander-in-chief)					
		Cook (to commander-in-chief)					
		Mess Attendants					
		Total					

RECAPITULATION.

Complement of crew	245
Number on board	243
Vacancies	2

Ordinary Seamen to do.

Landsmen to do.

Examined and found to be correct.

E. T. Linton Lt. Navigator.

4-285

U. S. S Essex, 3rd Rate.

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	Huddleston		Forward cabin Starboard side	June 3, 1899	Standard Barom. Branch H.O. Norfolk, Va	Correct
ANEROID BAROMETER.	N P B N.	22	Chart House	June 3, 99	Standard Barom. Branch H.O. Norfolk Va	Correct.
THERMOMETER, (Dry Bulb.)	Mason	54	Starboard Gun deck			
THERMOMETER, (Wet Bulb.) (Psychrometer.)	Mason	54	Starboard Gun deck			

Examined and found to be correct.

E. F. Leiper, Lt. Navigator.

4-265

ARMAMENT

Of the U. S. S Essex 3d rate

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE. POWDER.	CARTRIDGE. WEIGHT.	PROJECTILES. KIND.	PROJECTILES. WEIGHT.	CARRIAGES.	REMARKS.
4	4"	VI	R.F.	Fixed ammunition			58lb.	Fletcher Sebastol mount Mark II	
2	4"	IV	R.F.				58lb.	" "	

SECONDARY.

4	6 pdr	II	Fixed ammunition			9 lb.	Cage stand
2	1 "	II				1.65"	" "
2	6 m/m	Colt Automatic					Tripod & Field carriage
1	3"	Field Gun				15 lb.	Field carriage

BOAT ARMAMENT.

2 Cage stands with adapter ring for Colt Automatic, and 1 pdr Hotchkiss

SMALL ARMS.

175 Lee straight pull rifle cal. 6 m/m
60 Revolvers Colts, D.A. cal. 38

Examined and found to be correct.

E. T. Leutze.
Lt. Navigator.

4-285

TABLES of Deviation of the Standard Compass No. 24,017 on board the U. S. S Essex

Date:	Jan. 3, 1899.	July. 13. 1899				
Place of Observation:	Lake Henry	Newburyport, R.I.				
Latitude:	36° 0-3" N.	41°22'11.				
Longitude:	75° 3-3" W.	71°20' W.				
Observed Variation:	4° Wly.	11°25'				

SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.	2° 35' E'ly	2° 55' Ely.				
N. by E.	3° 56' "	4° 35' "				
N. N. E.	5° 20' "	6° 12' "				
N. E. by N.	6° 20' "	7° 43' "				
N. E.	6° 30' "	8° 48' "				
N. E. by E.	6° 50' "	8° 28' "				
E. N. E.	7° 35' "	8° 40' "				
E. by N.	4° 48' "	7° 50' "				
EAST.	7° 00' "	7° 40' "				
E. by S.	5° 45' "	7° 05' "				
E. S. E.	6° 09' "	4° 45' "				
S. E. by E.	3° 20' "	3° 25' "				
S. E.	2° 03' "	2° 27' "				
S. E. by S.	0° 35' "	0° 33' "				
S. S. E.	0° 51' Wly	0° 39' Wly				
S. by E.	1° 39' "	1° 57' "				
SOUTH.	3° 16' "	3° 27' "				
S. by W.	3° 56' "	4° 10' "				
S. S. W.	4° 35' "	5° 37' "				
S. W. by S.	5° 15' "	6° 31' "				
S. W.	6° 00' "	7° 23' "				
S. W. by W.	6° 33' "	7° 47' "				
W. S. W.	6° 43' "	8° 05' "				
W. by S.	7° 13' "	7° 52' "				
WEST.	7° 01' "	8° 00' "				
W. by N.	6° 42' "	7° 45' "				
W. N. W.	6° 25' "	7° 42' "				
N. W. by W.	5° 48' "	6° 27' "				
N. W.	5° 00' "	4° 47' "				
N. W. by N.	3° 42' "	3° 03' "				
N. N. W.	1° 28' "	0° 58' "				
N. by W.	0° 50' Ely.	0° 04' Ely				

Examined and found to be correct.

E. F. Leiper Jr. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, Kingston, Jamaica, B.W.I.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Lowest, amount in.	State of the Sea.
A. M.																		
1				NE x N	Calm	0			30.31	79	79	74		bc	cu		1	
2				"	"	0			30.30	79	79	74		"	"		1	
3				"	NE x N	1			30.30	79	78	74		"	"		1	
4				"	"	1			30.29	78	77	74		"	"		1	
5				N x E	"	1			30.29	76	72	71		"	"		1	
6				"	"	1			30.31	76	73	71		"	"		1	
7				"	"	1			30.32	78	78	78		"	cu		2	
8				"	"	1			30.33	80	79	77		"	"		3	
9				ESE	ESE	1			30.36	82	82	77		"	"		3	
10				SE	SE	2			30.38	83	84	79		"	"		3	
11				"	"	2			30.35	83	84	79		"	"		4	
Noon.				"	"	3			30.35	83	84	79		"	"		4	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Temp. of Aug. For. Aft.
81-80 78-78

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 650 lbs.

Coal remaining on hand at noon, 105 " 2020 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Lowest, amount in.	State of the Sea.
P. M.																		
1				SE x E	SE	2			30.33	84	84	79		bc	cu		4	
2				"	"	2			30.31	84	84	79		"	"		5	
3				"	"	2			30.29	84	83	77		bcp	"		6	
4				"	"	2			30.29	83	83	77		"	"		6	
5				ESE	ESE	2			30.29	85	82	78		"	cur		6	
6				"	"	1			30.29	84	81	77		bc	cu		3	
7				NE x E	NE x E	1			30.29	83	80	77		"	"		1	
8				North	North	1			30.30	84	79	77		bcm	"		1	
9				"	Calm	0			30.33	81	78	76		"	"		1	
10				"	"	0			30.33	81	77	76		"	"		1	
11				"	North	1			30.33	80	77	75		"	"		1	
Mid.				"	"	1			30.33	80	77	75		"	"		1	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, April 1st, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Calms & light NE x N'ly airs. Barometer falling. Moonlight.

Reynd. Earle.
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light airs from NE x N. Recd. in Pay Dept. for the crew, fresh provisions as follows: 152 lbs. of bread, 190 lbs. of beef, and 190 lbs. of vegetables.

C.M. Fahs, Lieut. U.S.N.

8 a.m. to meridian.
Clear & pleasant weather. Light airs to gentle breezes from E.S.E. to S.E. Aired bedding. The Commanding Officer paid an official call on the Commandant at Port Royal. The Commanding Officer assigned the following punishments at the mast: R. Bennett, appr. 3d cl., using vile and obscene language to Boatswain of 4th Cutter, 3 days Ornament in double irons. G.E. Richard, appr. 3cl., failing to stow his hammock in netting, 4 hrs extra duty. J. Getz, appr. 3cl., and A.C. Virtue, appr. 3cl., neglect of duty, 1 day extra duty. G. Thomas, appr. 3cl., refusing to clear gun deck, 2 hours extra duty. Discharged ashes in each lighter.

J.M. Burnett, Ensign, U.S.N.

meridian to 4 p.m.
Cloudy, warm, and pleasant. Light to S'Ely breezes. Barometer falling. C.M. Fahs, esq., was given an acty. appt. as Boatswain, to date from March 23d, 1899. Commdg. Officer issued order to Pay Master to account P.O. Grady, for 2d cl., straggler from the U.S.S. "Indiana," until pay & ration from March 31st, 1899. The Private Secretary of the Governor of Jamaica, returned the call of the Commdg. Officer. The Cmdg. Officer of H.M.S. "Wright" returned for the Commandant, of the Naval Station at Port Royal, the call of the Cmdg. Officer.

Reynd. Earle,
Ensign, U.S.N.

4 to 8 p.m.
Clear pleasant weather. Light airs & breezes from E.S.E. to North. At 6:15 p.m. John Gray, coal passer, a straggler from the U.S.S. "Texas" reported aboard this ship. By order of the Commdg. Officer he was placed in double irons for safe keeping.

J.M. Burnett, Ensign, U.S.N.

8 p.m. to mid night
Clear & pleasant. Calms & light N'ly airs. Barometer steady. Moon rose at 11:30.

Reynd. Earle,
Ensign, U.S.N.

Examined and found to be correct.

E.J. Ludlow
Lieut. U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, Kingston, Jamaica, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1				North	North	1			30.34	79	76	74		bcm	cu		1	
2				N x W	"	1			30.34	78	75	74		bc	c cu		3	
3				NNW	Calm	0			30.31	77	75	78		"	cu		6	
4				NNW	"	0			30.31	77	75	73		bcm	"		3	
5				"	"	0			30.31	77	75	79		bc	"		3	
6				"	"	0			30.34	77	76	79		"	c cu		4	
7				"	"	0			30.33	81	80	77		"	"		4	
8				"	"	0			30.33	87	81	78		"	"		3	
9				W x S	W x S	1			30.39	86	82	78		"	cu		4	
10				South	South	1			30.36	87	85	80		"	"		4	
11				S E	S.E.	2			30.38	87	86	86		"	"		4	
Noon.				"	"	2			30.37	86	85	85		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag. For Aft.
Longitude by ° ' " 81-80 78-77

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 105 " 1700 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1				S E	S E	2			30.36	86	85	85		bc	cu		5	
2				"	"	2-3			30.35	86	85	85		"	"		6	
3				"	"	3			30.32	86	85	80		"	"		6	
4				E S E	"	3			30.32	85	84	80		"	"		6	
5				"	"	2			30.32	83	82	79		"	"		6	
6				"	"	2			30.32	82	81	79		"	"		6	
7				S E x E	"	1			30.32	82	79	77		"	"		6	
8				"	"	1			30.32	82	79	77		"	"		4	
9				N x E	Calm	0			30.32	80	78	77		"	"		3	
10				"	"	0			30.32	80	78	77		"	"		2	
11				"	"	0			30.34	80	77	78		"	"		2	
Mid.				"	"	0			30.34	80	77	75		"	"		2	

under the command of Commander Grant Courtis, , U. S. Navy,

Sunday, April 2d , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Calm & light airs from North. Bright moonlight.

J. F. Drury
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Calm. German steamer "Rumania" left port at 7:00

F. M. Bennett, Ensign, U.S.N.

8 am to meridian.
Fair & pleasant. Light variable airs & breezes. Barometer falling. By order of Comdg Officer released P. O'Grady, fireman, from confinement, and assigned him to duty on this ship. And assigned the following punishments: W. E. Lacey, coal passer, app. 3d cl., skylarking, 8 hrs extra duty; Wm. Schlumbohm, app. 3d cl., abusive language to M. A. while in the execution of his duty, 5 days solitary confinement on bread & water. R. Restad, Q.M. 2d cl., entertained disregard of orders, 2d class. W. Discher, app. 3d cl., stealing another boys suit of clothes, and lying to divisional officer, 5 days solitary confinement on bread & water. J. Dillinger, app. 3d cl., refusing to man boat when ordered by coxswain 2d class. W. J. Fortune, app. 3d cl., same, 8 hrs. extra duty. At 9:15 divisional officers inspected divisions at quarters. At 9:30 read article of war, with all hands to muster, and afterwards held general muster, after which the Comdg. Officer inspected the ship. The Chaplain held divine service.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & warm. Light to gentle breeze from S.E. Sent liberty party ashore at 1:15. The chaplain held divine service at 1:30. At 3:00 the English steamer "Darien" left the harbor. At 3:45 put on steaming covers and hoisted smoke pipe.

J. F. Drury
Lieut U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light SE'ly airs & breezes. Barometer steady. At 4:20 lighted fires under boiler B for the purpose of distilling. At 7:00 chaplain held evening prayers. At 4:00 R.M.S. "Ensenada" left the harbor

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight
Clear & pleasant. Calm.

J. F. Drury
Lieut U.S.N.

Examined and found to be correct.

E. F. Leupen,
Lt
Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor, Kingston, Jamaica.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, scale 0 to 8.	State of the Sea.
A. M.																		
1				North	Calm				30.32	76	76	74		bc	cu		3	
2				"	"				30.30	78	76	74		"	"		5	
3				"	"				30.30	77	76	74		"	"		5	
4				"	"				30.31	77	76	74		"	"		5	
5				N.N.E.	"				30.20	77	74	73		"	"		2	
6				"	"				30.31	77	74	73		"	S		2	
7				"	"				30.32	78	76	74		"	"		3	
8				"	"				30.30	80	80	78		"	"		3	
9				SW	SW.				30.38	84	84	80		"	"		4	
10				"	"				30.38	87	87	84		"	"		4	
11				"	"				30.37	87	87	84		"	"		4	
Noon.				South	South				30.36	87	87	83		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Sea Mag. Bar.
Longitude by ° ′ ″ 81-80 78-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, 1 tons, 670 lbs.

Coal remaining on hand at noon, 101 " 1050 "

P. M.																		
1				SE x S	SE x S	3			30.21	86	87	84		bc	cu		4	
2				SE	SE	4			30.29	87	87	83		"	"		3	
3				"	"	3			30.28	85	85	80		"	"		5	
4				SE x S	SE x S	3			30.28	86	85	80		"	"		5	
5				"	"	2			30.28	86	85	80		"	"		5	
6				NW x W	"	2			30.28	86	85	80		"	"		5	
7				"	NW	2			30.28	84	83	78		"	"		2	
8				North	"	2			30.29	80	80	76		"	"		2	
9				"	North	1			30.30	80	79	76		b	Nac		0	
10				NNE	NNE	1			30.31	80	78	76		bc	S.		1	
11				SSW	SSW	1			30.34	81	79	76		b	nac		0	
Mid.				NNW.	North	1			30.32	78	78	75		"	"		0	

under the command of Commander Frank C. Courtis, U. S. Navy,

Monday, April 3d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & calm

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Clear, calm and warm. Barometer rising. Recd. in Pay Dept., 190 lbs. fresh beef, 150 lbs. of fresh bread, and 190 lbs. vegetables.

Ralph Earle,
Ensign, U.S.N.

8 am to meridian.
Clear & warm. Light airs from SW & South. At 9:30 went to quarters for inspection, after which exercised boats crews under oars. At 9:20 the English stmr. "Adula" arrived in the harbor. The Condg. Officer awarded the following punishments: O.E. Hurt, app'd cl. one week on seam, from 4 to 8 p.m. for direct disobedience of orders. Phillipps Anderson, ships cook 4th cl. was placed in double iron to await trial by summary court-martial, for disobedience of orders, and using profane and obscene language to Commissary yeoman. Delivered specification to Phillips Anderson, ships cook 4th cl. at 10:00. Overhauled whale rope.

J. Downey
Lieut. U.S.N.

meridian to 4 p.m.
Fair and warm. Gentle to moderate SSEly breezes. Sent liberty party on shore. By order of the Commander, released Phillips Anderson, (C.C. 4 cl.) from confinement, and restored him to duty, as it was decided not to try him by summary court-martial, the company yeoman not being able to produce witnesses to substantiate his report.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breeze from SE & S, hauling to SW. At 4:00 sent out boats for exercise under sails. At 7:00 Lieut. Chaplain read prayers.

J. Downey
Lieut. U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light variable airs.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leutze,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, Kingston, Jamaica.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				N x W	North	1			30.30	79	79	75		bc	cu		1	
2				"	"	1			30.30	79	79	75		"	"		1	
3				N.N.W.	"	1			30.29	78	75	73		"	"		1	
4				"	"	1			30.29	78	78	73		"	"		1	
5				North	"	1			30.28	77	74	71		"	"		2	
6				"	"	1			30.27	78	76	74		"	"		2	
7				"	"	0-1			30.32	79	77	74		"	"		3	
8				"	Calm	0			30.32	82	81	76		"	"		3	
9				WNW	"	0			30.35	82	81	77		"	cu		3	
10				SSW.	South	1			30.36	85	84	79		"	"		4	
11				South	"	1			30.36	85	84	79		"	"		4	
Noon.				S.E.	"	2			30.36	85	84	79		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″ — Temp. of Mag. 81-80, Cabin 79-79

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand at for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 930 lbs.

Coal remaining on hand at noon, 109 " 120 "

P. M.																		
1				SE	SE	3			30.32	84	84	79		bc	cu		4	
2				"	"	3			30.31	84	84	79		"	"		4	
3				"	"	4			30.29	84	84	76		"	"		4	
4				"	"	4			30.29	83	82	74		"	"		6	
5				"	"	3			30.28	81	82	78		"	"		6	
6				"	"	4			30.28	80	80	77		"	"		6	
7				ESE	ESE	3			30.29	80	80	76		"	"		4	
8				Varies	Varies	1			30.31	82	80	77		"	"		2	
9				"	ESE	1			30.32	82	80	77		"	"		3	
10				"	"	1			30.32	81	80	76		"	"		3	
11				North	Calm	0			30.31	80	78	76		"	"		5	
Mid.				"	"	0			30.31	79	77	75		"	"		5	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday. April 4th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant weather. Light airs from North. Moon rose at 1:20. A steamer came in and anchored.

J. W. McBennett, Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Calms & light airs from North.

J. F. Berry
Lieut., U.S.N.

8 am to meridian.
Clear & warm. Calm first hour. Light airs to light breeze from South remainder. At 9:30 inspected at quarters. 1st period, exercised the division at routine drill. 2d period, exercised at Sm & Away Boat "all boat ready in 6 min. By order of the Commander, relieved and restored to duty R. Bennett, app. 3d cl., his term of confinement having expired. One cut lash was lost overboard by an apprentice, while at drill. The following punishments were awarded by the Commander, A. Talbot, app. 3d cl., for lying, not unlashing & turning into his hammock at proper time, 5 days in double irons, and he was also confined. B. Overlack, app. 3d cl. and A. Abner, app. 3d cl., for going below & turning in in an improper watch, 4th class.

C. W. Jahs
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle to moderate breezes from S.E. Sent liberty party ashore. An officer returned the call of the Commdg Officer on the General commanding the troops at Jamaica.

J. W. McBennett Ensign, U.S.N.

4 to 8 p.m.
Fair to cloudy. Pleasant. Gentle S.E'ly breeze.

C. W. Jahs
Lieut. U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light airs from E. S.E. Calms last two hours.

J. W. McBennett Ensign, U.S.N.

Examined and found to be correct.

E. F. Larkin
Lieutenant U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

at Anchor, Kingston, Jamaica,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				North	North	1			30.29	80	77	75		be	cu		5	
2				"	"	1			30.28	79	77	75		"	"		3	
3				"	"	1			30.27	78	76	74		"	"		4	
4				N.N.W.	"	1			30.26	77	75	73		"	"		3	
5				NW	Calm	0			30.27	77	74	73		"	"		3	
6				N×W.	NW	0-1			30.28	76	74	72		"	"		3	
7				"	Calm	0			30.29	77	75	73		"	"		3	
8				"	"	0			30.31	80	80	76		"	"		3	
9				South	SSE	1			30.35	84	83	79		"	"		3	
10				"	"	1			30.35	86	85	81		"	"		3	
11				S×W.	"	1			30.34	86	86	81		"	"		4	
Noon.				SSE	SE	2			30.33	87	86	81		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Temps of Mag Inst
Longitude by ° ′ ″ 81-80 79-78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 610 lbs.

Coal remaining on hand at noon, 101 " 1750 "

P. M.																		
1				SE	SE×S	1			30.30	87	86	81		be	cu		3	
2				"	"	1			30.30	85	85	80		"	"		4	
3				"	"	1			30.29	85	85	80		"	"		6	
4				"	"	1			30.28	85	85	80		"	"		6	
5				"	SE	1			30.29	85	85	80		"	"		5	
6				"	"	1			30.29	83	84	78		"	"		5	
7				SE×S	SE×S	1			30.29	81	80	77		"	"		5	
8				"	"	1			30.29	81	80	77		"	"		1	
9				"	"	1			30.30	81	80	77		"	"		1	
10				N×W	Calm	0			30.31	80	78	76		"	"		1	
11				North	"	0			30.30	80	78	76		be	—		0	
Mid.				"	"	0			30.30	80	78	76		"	—		0	

4—2 5

under the command of Commander Frank E. Courtis, , U. S. Navy,

Wednesday, April 5th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Light N'ly airs. Barometer falling, moon rose at 2 1/2 a.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Clear & warm. Calm greater part. Light variable airs remainder. Water boat came alongside. Rec'd. in Pay Dept. for the crew, fresh provisions as follows: 154 lbs. of bread, 192½ lbs of meat, and 192½ lbs. vegetables.

C. M. Fahs
Lieut. U.S.N.

8 a.m. to meridian
Clear & pleasant. Light airs & breezes from S. S.E & S.E. Very hot. Mustered at quarters at 9:30, no absentees. Drilled battalion, light marching order. Rec'd. from water boat "Dann" 7840 gal. fresh water for steaming purposes.

F. W. Bennett Ensign, U.S.N.

meridian to 4 p.m.
Clear, warm & pleasant. Light, S.E & S'ly breezes. Barometer falling. At 3:30, Danish bark Gorgensen went alongside lumber dock.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Clear & warm. Light airs & breezes from S.E. and S.E & S. Drifted gunboat standing towards Port Royal, standing from S.E.

F. W. Bennett. Ensign, U.S.N.

8 p.m. to midnight
Clear & pleasant, Calms to light S.E & S.ly airs. Barometer steady.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

S. F. Leopler,
Lieutenant,
Navigator.

LOG of the UNITED STATES Training Ship Essex, At anchor, Kingston, Jamaica. Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				NW	Calm	0			30.28	78	77	75		be	cu		4	
2				"	"	0			30.28	76	77	75		"	"		4	
3				"	"	0			30.27	77	77	74		"	"		4	
4				NNW	"	0			30.27	77	76	74		"	"		4	
5				"	"	0			30.26	77	76	74		"	"		3	
6				"	"	0			30.28	77	77	75		"	"		3	
7				"	"	0			30.30	79	78	75		"	"		3	
8				"	NNW	1			30.30	80	80	75		"	"		3	
9				SW×W	SW	1			30.31	85	83	77		"	"		3	
10				"	"	1			30.31	87	87	82		"	"		3	
11				"	"	1			30.31	87	88	84		"	"		4	
Noon.				SSW	"	1			30.29	88	88	85		"	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Neg. for 81-81 Aft 79-79
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 101 " 1350 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1				S.S.E.	SSE	1			30.25	90	88	82		be	cu		5	
2				"	"	2			30.24	90	89	83		"	"		5	
3				SE	SE	3-2			30.21	87	88	81		"	"		5	
4				"	"	5			30.21	84	87	81		"	"		6	
5				"	"	5			30.21	83	85	80		"	"		6	
6				"	"	5			30.21	81	83	78		"	"		6	
7				North	North	2			30.24	82	84	78		"	"		2	
8				"	"	1			30.27	82	82	78		"	"		1	
9				Various	Various	1			30.29	81	80	77		by	none		0	
10				"	"	1			30.28	81	80	76		be	cu		1	
11				N×E	Calm	0			30.29	81	78	75		by	none		0	
Mid.				NNW	NNW	1			30.28	79	78	74		"	"		0	

4-25

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, April 6th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Calm. Moon rose at 3:00.

J. F. Dewey
Lieut. U.S.N.

4 to 8 a.m.
Clear, pleasant, hot. Calm & light airs from N.N.W.

J. M. Bennett - Ensign, U.S.N.

8 a.m. to meridian.
Fair, warm, and pleasant. Light S.W.ly airs. Barometer fell slightly. At 9:30 held Company drill, with company fully equipped. Second Period, held Battalion drill and inspection, fully equipped. Commdg Officer assigned the following punishments, M.C. Scott, G. Kimes, C. Heuberger, & F. A. Child, 1 day, 3d class, 25 Kylar Eight Hrs Ct, 4 hrs extra duty.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 p.m.
Fair & very warm. Light airs to stiff breeze from SSE & SE. At 3:30 sent down top gallant yards, hoisted light sails, crossed light yards, and bent gear. Half masted colors at 12, in obedience to cable message from Navy Department, the interment of those soldiers who were killed at Santiago taking place this afternoon at Arlington.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Stiff S.E.ly breeze first half. Light N.ly breeze and airs last half. Barometer rose slightly. At 7:00 the chaplain held evening prayer. At 4:30 an Atlas linestone, "Alene", from New York, came in.

Ralph Earle
Ensign, U.S.N.

8 a.m. to midnight.
Clear & pleasant. Calm & light variable airs.

J. F. Dewey
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Kingston, Jamaica.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, eastern'k	State of the Sea.
A. M.																		
1				North	Calm	0			30.28	79	79	76		b	None	0		
2				"	"	0			30.28	78	78	76		"	c	0		
3				"	"	0			30.28	78	78	76		"	c	0		
4				N x W	"	0			30.28	78	78	76		"	c	0		
5				"	"	0			30.28	78	78	76		bc	cu	3		
6				"	"	0			30.29	78	78	76		"	"	4		
7				NW	"	0			30.30	79	78	76		"	cu	6		
8				"	NNW	0-1			30.30	81	80	78		"	cu	4		
9				WSW	Calm	0			30.30	87	87	80		"	"	4		
10				SE	SE	3			30.30	63	85	83		"	"	3		
11				"	"	4-5			30.30	83	85	83		"	"	5		
Noon.				"	"	5			30.30	64	85	83		"	"	6		

Position at 8 A. M. { Latitude by ° ' " Temp of Mag. For Aft.
Longitude by ° ' " 82-81 79-79

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 1600 lbs.

Coal remaining on hand at noon, 199 " 1990 "

P. M.																		
1				SE	SE	6			30.27	84	84	79		be	cu	"	6	
2				"	"	6			30.25	83	84	79		"	"	"	6	
3				"	"	6			30.23	83	84	78		"	"	"	6	
4				"	"	7			30.21	83	83	78		"	"	"	5	
5				"	"	5			30.22	82	82	78		"	"	"	6	
6				ESE	"	4			30.23	81	81	78		"	"	"	4	
7				"	ESE	4			30.24	82	81	76		"	"	"	2	
8				"	"	3			30.26	81	81	75		"	"	"	1	
9				"	"	2			30.28	81	81	75		"	"	"	1	
10				NE x N	"	1			30.29	81	81	76		"	"	"	1	
11				N x E	Calm	0			30.31	78	78	74		"	"	"	1	
Mid.				"	"	0			30.32	78	78	74		"	"	"	1	

4—2 5

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, April 7th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & calm.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Fair, warm, and pleasant. Calms to light N.N.W'ly airs. Barometer rising. British steamers "Atrato" and "Ardanrose" came in at 6:30. Recd. in pay dept. 192½ lbs. each of fresh beef & vegetables, and 154 lbs. of fresh bread.

Ralph S. Earle,
Ensign, U.S.N.

8 am to meridian.
Fair & very pleasant. Calm first hour, and gentle to stiff breeze from S.E. remainder of watch. At 9:00 went to General Quarters, all divisions reported ready in 3½ minutes. Sounded secure at 9:45, all divisions securing in 5½ minutes. The Commdg. Officer awarded the following punishments: G. N. Rosen, app. 3cl., 8 hrs extra duty for shirking work on 4th cutter; E.B. Pollard, app. 3cl., 4 hrs extra duty for skylarking at drill; B. Ebl, app. 3cl., 4 hrs extra duty, for swearing; R. Bennett, app. 3cl., 5 days Double irons for deliberately disobeying order of Boatswain; Confined R. Bennett, app. 3cl., in accordance with punishment awarded. Recd. in Engineering Dept., 10 gals. of boiled oil

J. F. Drury
Lieut. U.S.N.

meridian to 4 pm.
Fair & pleasant. Fresh S.E.ly breeze. Recd. in Equipment Dept., 50 lbs. of orange shellac. Securing for sea.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Stiff to gentle breeze from S.E. Secured boats for sea.

J. F. Drury
Lieut. U.S.N.

8 pm. to midnight.
Clear & pleasant. Light breezes & airs from E.S.E., calm the remainder.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leopler
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, Kingston Jamaica,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, each form.	State of the Sea.
A. M.																		
1				North	NNW	1	S.P.		30.27	79	77	73		b	None		0	
2				"	"	1			30.26	77	76	73		"	"		0	
3				"	NW	1			30.26	77	76	73		"	"		0	
4				NNW	"	1			30.26	76	73	71		"	"		1	
5				"	"	1			30.25	76	74	77		be	cu		5	
6				"	"	1			30.27	78	77	73		"	cu.		4	
7				"	Calm	0			30.27	80	79	77		"	cu		4	
8				Steering NW by W.	SE	1			30.30	81	79	78		"	a cu		3	
9	1	4	225 20.9	E by S 1/2 S	Calm	0	0.0	0	30.30	83	81	79	80	"	"		6	S
10	5	9	29.8	"	E x S	3	0-0	0	30.27	83	85	80	80	"	"		4	W
11	2 1/2	5	35.3	SSE 1/2 E	"	3	0.0	0	30.32	81	84	78	80	"	cu		4	"
Noon.	3	5	40.8	E 3/4 N.	"	3	20.1°	0	30.31	84	85	79	80	"	"		3	"
	2	4	50.9															

Position at 8 A. M. { Latitude by ° ′ ″ Tims of Alg. For Alt. 82-81 60-79
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 600 "

Coal consumed during the preceding 24 hours, 2 tons, 1170 lbs.

Coal remaining on hand at noon, 96 " 820 "

P. M.																		
1	5	8	46.7	E 3/4 N	E x S	4	2-1		30.31	82	85	79	80	be	cu		4	W
2	5	9	52.6	"	"	4	2-1		30.29	82	84	79	80	"	"		4	"
3	3	4	56.0	"	"	4	3-0		30.26	82	84	79	80	"	"		3	"
4	3	4	54.8	NE x E 1/2 E	"	4	3-0		30.26	82	84	79	80	"	"		3	"
5	7	3	66.1	Various	E x N	4	5-0		30.26	82	82	79	80	"	"		3	"
6	4	9	71.0	NNE	E x S	2	3-0	1/2	30.15	82	82	79	80	"	"		3	"
7	3	0	74.0	"	"	2	5-1	1/2	30.15	81	80	78	80	"	"		4	S
8	7	3	77.3	"	"	2	5-1	1/2	30.15	81	80	78	80	"	"		4	"
9	4	0	81.3	"	"	2	5-0	1/2	30.20	79	79	78	80	"	"		4	"
10	3	3	84.6	N x E	"	2	5-0		30.21	79	79	78	79	b	—		0	"
11	2	8	87.4	"	"	2	5-0		30.25	79	79	78	79	"	—		0	"
Mid.	3	7	91.1	"	"	2	5-0		30.30	79	79	78	79	"	—		0	"
	3	4	94.5	"	"	2	5-0		30.29	79	79	78	79	"	—		0	"

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday. April 8th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Clear & pleasant. Light airs from N.N.W and N.W. Started fire in boilers A, B, C & D. at 1:00 A.m.

4 to 8 a.m. J.M. Bennett Ensign, U.S.N.
Clear & pleasant. Calm & light N'ly winds. Hoisted in steam launch and made preparations for sea. At 7.12 got under way, the Commdg Officer, Navigator and Pilot, on the bridge, and steamed out of the harbor. Under steam alone, four boilers. Average steam, 60 lbs., revolutions, 277. Took on board for passage to Santiago, M.J. Taylor, late sergeant, U.S.M.C. Draft, fwd. 14', aft. 16'6". J. Lowry Lieut. U.S.N.

8 a.m. to meridian
Cloudy, to fair, Calm 1st hour, gentle breeze from E. & S. remainder. Standing out of Kingston Harbor, the Pilot conning. Dropped the Pilot off Plum Point, at 8.50, put down patent log 22.6, and set course E.S.E. 1/2 E. p.s.c. Plum Point being abeam, and 3/4 mile distant. At 10:30 changed course to E.S.E. 1/2 E. p.s.c., pat. log 32.3. At 11:36, changed course to E. 1/4 N. p.s.c., pat. log 38.5. Galt's Hill abeam & port hand at noon. Under steam alone. Av. steam 53 lbs., revolutions 42. The Commdg. Officer assigned the following punishments. J. Thomas, & W.E. Bowers, each 3 cl. shirking, 4 hours extra duty. D. Rothmead, 3 cl., smoking, 16 hrs extra duty. C.M. Fahs Lieut. U.S.N.

meridian to 4 p.m.
Fair pleasant weather. Moderate breeze from E. & S. and E. & N. Changing course at intervals to North'ard to clear Mount Point. Set fore and aft sails as they would draw. At 3:30 set fore-sail, at 3:50 set fore & main topsails. At 4:40 p.m., pat. log, 63.4, Mount Pt. Lt. house bore N. 3/4 W., p.s.c., distant, 1/4 mile. Ship on course, N. 3/4 E., p.s.c. Ashored of watch, on course N. 3/4 E. p.s.c., under steam, and topsails, fore sail, jib, fore topmast stay sail, main try sail, & spanker. Pat. log, 66.1. Average steam pressure, 55 lbs., revolutions, 43. Ship pitching moderately.

4 to 6 p.m. P.M. Bennett Ensign, U.S.N.
Fair & pleasant. Light E. & S'ly breezes. Barometer steady. Mod. roll, 5°. At 4:30 stopped engines and uncoupled, screw. Banked fires under boilers B, C and D, using boiler A for distilling. At 4:30 set top gallant sails, royals, & flying jib. At 5:15 mustered at quarters, no absentees. At 5:30, bent & set main topmast stay sail. At 5:45, chaplain held evening Prayers. At end of watch on course, N. 3/4 E. p.s.c., Mount Pt. Light in sight astern, log 74, under all plain sail except mainsail, and main & fore topmast stay sails, and main try sail. Ralph Earle, Ensign, U.S.N.

6 to 8 p.m. Fair & pleasant. Light breeze from E. & S. On course, N. 3/4 E, under all sail except mainsail. Fire banked in boiler B, C & D. and distilling with boiler A. Lost Mount Pt. light at 7.15. J. Lowry Lieut. U.S.N.

8 p.m. to midnight
Clear & pleasant. Light breeze from E. & S. At 8:10 changed course from N. 3/4 E, p.s.c., to N. & E., p.s.c. Under all sail save the mainsail. Distilling with boiler A, fire banked under the rest. C.M. Fahs Lieut. U.S.N.

Renewed for six months, acting appointment of John J. Colburn, Master at Arms.
Francis Courtis
COM'D'R., U.S.N., COM'D'G.

Examined and found to be correct.

E. F. Logan, Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

Sailing passage from Kingston, Jamaica to Santiago, Cuba.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Lowest, and with.	State of the Sea.
A. M.							P. S.											
1	2	6	97.1	N x E	E x S	2	7-3	1/2	30.29	78	78	77	80	bv	cu		3	S
2	1	0	97.3	"	S E	1	8-5	"	30.27	78	78	77	80	"	"		4	"
3	1	0	97.3	"	"	1	8-5	—	30.27	78	78	77	80	"	"		5	"
4	1	0	97.3	"	"	1	5-6	—	30.27	78	78	77	80	"	"		5	"
5	1	0	98.0	"	"	1	6-8	1/8	30.17	78	78	77	79	"	"		4	"
6	1	3	99.3	"	"	1	5-7	—	30.19	79	79	77	79	"	"		4	"
7	1	0	02	"	"	1	5-5	—	30.19	80	80	76	79	"	"		5	"
8	2	3	2.5	"	"	2	6-5	—	30.21	84	83	77	79	"	"		3	"
9	2	5	4.8	"	"	2	5-6	—	30.19	84	83	77	79	"	"		5	"
10	3	7	8.5	"	"	2	5-5	—	30.19	84	83	78	79	"	"		6	"
11	3	8	12.3	"	"	2	3-3	—	30.19	85	85	79	79	"	"		5	"
Noon.	3	7	16.0	"	"	2	6-3	—	30.20	85	86	80	79	"	"		4	"

Position at 8 A. M. { Latitude by D. R. 18° 37' " N
Longitude by Obs. 75° 52' 45" W

Temp. of Aq. For. Aft.
82-81 80-80

Position at noon: { Latitude by observation 18° 58' 47" N
Longitude by observation 75° 49' 27" W
Latitude by D. R. 18° 50' 36" N
Longitude by D. R. 76° 1' 42" W

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: 9/10 miles, set N 36° E. true.

Position at 8 P. M: { Latitude by ° ' "
Longitude by ° ' "

Variation of compass: 2°30' E'ly

Error of compass observed at 8a.m. N.E. by N x E. 4°30' E'ly

Deviation of compass on " " " " 2° 0' E'ly.

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, 3 tons, 400 lbs.

Coal remaining on hand at noon, 93 " 420 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Lowest, and with.	State of the Sea.
P. M.																		
1	1	6	17.6	N x E North	S E	1	—	—	30.20	85	85	79	79	bc	cu		4	S
2		8	18.0	"	"	1	—	—	30.20	85	85	79	79	"	"		3	"
3	1	9	19.0	"	South	1	2-2	0	30.27	90	86	80	80	"	"		2	"
4	1	7	20.6	"	S S W	1	3-2	0	30.26	89	86	80	80	"	"		2	"
5	1	9	22.0	"	"	1	2-2	—	30.26	89	86	80	80	"	"		2	"
6	1	5	22.7	W S W	"	1	2-2	—	30.27	88	86	80	80	"	"		2	"
7		9	22.7	W "	S W x S	1	—	—	30.19	86	86	80	80	bcl	"		4	"
8	1	0	22.7	"	"	1	—	—	30.20	85	83	80	80	"	"		4	"
9	1	0	22.8	"	"	1	2-2	—	30.21	83	80	77	80	"	"		2	"
10	1	0	23.9	"	"	1	3-3	—	30.22	79	79	76	79	"	cur		6	"
11		9	20.7	W S W	North	2	3-3	v	30.20	79	79	76	79	bcpl	"		4	"
Mid.		7	23.7	"	"	2	3-3	v	30.19	79	79	76	79	bcl.	"		4	"

4—25

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday, April 9th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant weather. Light airs & breezes from E & S and S.E. On course N & E, under all sail except mainsail and main try sail. Bat. log not registering. At end of watch, it read 973. Maximum roll, 7°.

4 to 8 a.m. F.W. McBennett Ensign, U.S.N.
Fair & pleasant. Light S.Ely airs & breezes. Barometer rising. Max. roll, 5°. At 8:30, set main try sail. At end of watch, under all plain sail except mainsail, fore & main top mast stay sail, and main try sail, on course, N & E, p.s.c., log 2.5

8 a.m. to meridian. Ralph L. Barley Ensign, U.S.N.
Fair & warm. Light breeze from S.E. At 9:00, hauled down main top mast staysail. At 9:30, the Comndg Officer inspected the ship and crew at quarters. At 9:50 all hands were called to muster, and permanent appointments as boatswains were delivered to J. Grady, B.M. 2cl, and W. White, col., and as sail makers mate to W.T. Merchant, S.M.M. Also delivered a good conduct bar to W. Crawford, B.M. 1cl. At 10:15 the chaplain held divine service. Under sail alone, and on course S.E, during watch. The Comndg Officer awarded the following punishments: A. Norbert, a.p.p. 3 el, 56 hrs extra duty, for disobedience of orders and insolence. Fires banked. At end of watch under all sail except mainsail, and main top mast, staysail.

F.T. Howey
Lieut. U.S.N.

meridian to 4 p.m.
Fair & warm. Light airs from S.E to South. Under all sail save main top mast staysail & mainsail. At 3:00 took in try sail & spanker. Course, North, p.s.c. Fires banked.

Chas Fahs
Lieut. U.S.N.

4 to 6 p.m.
Clear & pleasant. Light airs from S.S.W. At 5:00 changed course to N.W.W. p.s.c. At end of watch on course N.W.W., Bat. log 227, under fore sail, top sails, top gallant sails, royal, jib, flying jib, and fore top mast staysail. The Chaplain read prayers at 5:45.

6 to 8 p.m. F.W. McBennett, Ensign, U.S.N.
Cloudy & pleasant. Light S.W & S.Ely airs. Barometer rising. Ship steady. Lightning in the West. At 6:40 took in and furled royals, and stowed flying jib. At end of watch under top gallant sails, top sails, & fore sail, jib & fore top mast staysail. On course N.W.W. p.s.c, log 224.

Ralph L. Barley
Ensign, U.S.N.

8 p.m. to midnight.
Clear to fair. Light airs from S.W & S. On course N.W.W till 10, when the wind came out from the N.E. Veered by the wind on starboard tack and took in jib, fore sail & top gallant sails, and set main try sail. At end of watch, under fore top mast staysail, main try sail, and top sails.

F.T. Howey
Lieut. U.S.N.

Examined and found to be correct.

F.T. Howey jr
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from Kingston to Santiago Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1		5	23.3	NW W by W	North	2	5-0	1½	30.27	79	79	75	79	b c	cus		5	S
2		5	—	"	"	2	5-0	1½	30.27	79	79	75	79	"	"		5	"
3		5	—	NW x N	N x E	2	5-0	1½	30.26	79	79	75	79	"	"		5	"
4		5	—	"	"	2	5-0	1½	30.26	79	79	75	79	"	"		5	"
5		5	28.5	NW	"	3	5-0	2	30.27	77	76	72	78	"	"		6	"
6		5	23.5	"	"	2-3	3-0	2	30.28	78	77	73	78	"	a cu		5	"
7	4	3	27.8	North	"	3	2-1	-	30.27	78	79	75	79	"	"		5	"
8	5	5	33.3	"	"	4	1-0	-	30.27	78	80	75	79	"	"		4	"
9	5	3	38.6	"	"	3	0-2	-	30.26	78	80	75	80	"	"		5	"
10	5	2	43.8	"	"	4	0-2	-	30.25	80	80	75	80	"	"		5	"
11	5	2	49.0	"	"	5	0-2	-	30.25	82	83	76	80	"	"		5	"
Noon.	5	5	52.5	Various.	"	6-7	0-5	-	30.25	82	83	76	80	"	"		5	"

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag. For. Mag. Kpt.
Longitude by ° ′ ″ 83-82 80-80

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, 4 tons, 610 lbs.

Coal remaining on hand at noon, 55 " 2050 "

P. M.																		
1				Various	North	6			30.26	79	78	76		b c	cu		5	
2				"	"	6			30.26	79	77	74		"	"		6	
3				N W W	N x W.	5			30.26	79	77	74		"	"		6	
4				"	N N W	5			30.27	79	77	74		"	"		6	
5				N x W	North	4			30.26	79	78	75		"	cu		6	
6				North	"	4			30.26	76	76	71		"	"		6	
7				"	"	4			30.26	76	75	70		"	"		4	
8				N x E	"	4			30.25	75	75	70		"	cu		2	
9				N x W.	N W	4			30.26	74	75	70		"	"		4	
10				"	"	4			30.28	74	75	70		"	"		6	
11				"	"	5			30.28	74	73	68		"	"		6	
Mid.				"	"	5			30.28	73	73	67		"	"		6	

4—25

under the command of Commander Frank Courtis, , U. S. Navy,
Monday April 10th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Fair & pleasant. Light breeze from North to N.E. Course N.W.W. p.c., but steering full & by on the Starboard tack under topsail, foremast staysail & main trysail. At 2:30 set the sparker.

4 to 8 a.m. Lieut. W.S.S.
Clear & pleasant. Light to moderate breezes from N.E. At day break sighted land ahead. Furled all sail & coupled up Propeller. Started engines ahead at 6.11, Pat. log 235 course North. At end of watch, on course, North, pat. log 333. av. stram 57 lbs av. revs 36.

8 am to meridian. Ensign, U.S.N.
Fair. Moderate N.E by E breezes, increasing to fresh breezes. Barometer nearly stationary. Mustered roll. 5th Lt by order of Comdg. Officer, released from confinement H. Decker & M.W. Schlamper at 8 a.m. & class, their term having elapsed. At 9.30 mustered at quarters followed by routine drills for all divisions. Made preparations for port. At 10.45 changed course to N.W.½W, and thus until 11.30, standing on various courses towards wreck of the "Oquendo" passing a mile & a half to South'ward of it. At 11.45 changed course to E.N.E, and at 12 noon E.N.E½E, standing in towards entrance of Santiago Harbor. Average stram 55, average revolutions 39.

Ralph Earle.
Ensign, U.S.N.

meridian to 4 p.m.
Fair & warm. Fresh to gentle breeze from N.E. At 2:05 stopped engines outside of entrance to Santiago harbor to pick up pilot. Stood in to anchorage, coming to with starboard anchor at 2.0 clock in 3¼ fathoms, veering to 20 fms on starboard chain. Bearings of anchorage, Jaraqua Pier, west end, S.17°W. Dome of Cathedral N.86°W. Ships head N.N.W. All bearings, C.C. Allowed fires to die out under 3 boilers and kept fire under remaining boiler for distilling. Exchanged numbers with U.S. Surveying Gunboat "Yankton" on entering the harbor. At 3:15 the Cuban Steam Launch "Marcial Herrera" passed out. Ran in all 4 guns on slide.

T. T. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Moderate N.W by E breeze. Barometer rising. The Comdg. Officer of the U.S.S. "Yankton" called officially on the Comdg. officer. American Steamer "Comal" of New York, came in and anchored at 6.0. At 7 the Chaplain held evening prayers.

Ralph Earle.
Ensign, U.S.N.

8 pm to midnight.
Fair & cool. Moderate to stiff breeze from N.W.

Lieut. U.S.N.

Examined and found to be correct.

T. T. Leiper.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex, Rate,

At anchor, Santiago, Cuba

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, eastern'n.	State of the Sea.
A. M.																		
1				NW x N	NW x N	4			30.27	72	72	68		be	Acu		0	
2				"	"	4			30.26	70	70	67		be	"		0	
3				"	"	4			30.25	70	70	67		"	Cu		1	
4				"	"	4			30.24	70	70	67		"	"		1	
5				"	"	3			30.23	71	70	66		"	"		1	
6				"	"	3			30.26	71	70	66		"	"		1	
7				"	"	3			30.25	76	73	68		"	Ci		1	
8				North	NNW	3			30.32	78	77	69		"	"		1	
9				"	N x E	4			30.32	77	76	69		"	"		2	
10				NNE	NNE	4			30.32	79	78	70		"	Cu		2	
11				North	North	4-5			30.34	81	83	71		"	"		2	
Noon.				"	NNE	4-5			30.32	84	81	74		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. Fore Aft
Longitude by ° ′ ″ 82-80 79-78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 2 tons, 260 lbs.

Coal remaining on hand at noon, 86 " 1790 "

P. M.																		
1				North	NNE	4			30.29	85	81	74		be	Cu		2	
2				NNW	"	4			30.27	85	83	74		"	"		2	
3				North	"	4			30.26	86	83	73		"	"		2	
4				"	"	4			30.26	86	83	73		"	"		2	
5				N x E	"	4			30.26	84	80	73		"	"		3	
6				"	"	4			30.27	78	78	73		"	"		4	
7				"	"	4			30.27	79	76	73		"	"		4	
8				"	"	3			30.32	76	76	73		"	"		2	
9				"	"	3			30.32	76	76	73		"	"		2	
10				North	North	3			30.35	75	74	72		"	"		2	
11				"	"	2			30.35	74	74	72		"	"		1	
Mid.				"	"	2			30.35	74	74	72		"	"		1	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, April 11th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence & til 4 a.m.
Clear & cool. Moderate breeze from NW x N.

C. W. Fales
Lieut. U.S.N.

4 to 8 a.m.
Clear & cool. Gentle NW x N'ly to NNW'ly breezes. Barometer rising. At 6, Spanish str. "Francisca" came in.

Ralph Earle,
Ensign, U.S.N.

8 am to meridian.
Clear & pleasant. Moderate to stiff breeze from NW 6 to North. Sent a party of boys in charge of Chaplain Tarrs to visit the Morro at 8:30. At 9:30 went to quarters for inspection followed by setting up exercise and a trip over the mast head by boys & landsmen. The Commdg. Officer left the ship at 10:00 to pay an official visit to the Commdg. General and to return the call of the Comdg Officer of the U.S.S. Yankton. At 10.45 the U.S. surveying gunboat Eagle came into the harbor and exchanged numbers with the vessels; also signalled for permission to anchor, which was granted by this ship. The Comdg. Officer awarded three third class apprentices the following punishment.- O.T. Campbell, O.D. Clark, A.B. Hutchins, G.R. Weldt, G.J. Hargrave, 4 hrs extra duty for failing to furl sail. J.M. England, and W.J.V. Fortune, 4 hrs extra duty for not cleaning bright work. G.B. Collard. 2 hrs extra duty for hanging clothes above deck. W.M. Nellom, 3 days solitary confinement on bread & water, for persistent smoking. M.C. Thorne, mess at, was awarded 5 days solitary confinement on bread & water for using vile & abusive language to Ward-room Steward. Confined the last two persons named in accordance with punishment awarded. At 9. a board, of which Lieut. E.J. Leiper, is senior member, met for the examination of candidates for the positions of Warrant Machinists. At 11:30 broke the senior officers pennant. The Commdg. Officer of the Eagle paid an official visit on board.

E.J. Leiper
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Moderate breeze from N.E.E. Exercised boat under sail.

C. W. Fales
Lieut. U.S.N.

4 to 8 p.m.
Clear to fair & very pleasant. Moderate breeze from NNE. The Comdg. Officer returns the visit of the Comdg. officer of the Eagle.

E.J. Leiper
Lieut. U.S.N.

8 pm to midnight.
Clear & cool. Gentle to light breeze from NNE to North.

C. W. Fales
Lieut U.S.N.

Examined and found to be correct.

E.J. Leiper
Navigator.

LOG of the UNITED STATES Training Ship Essex, Rate,

Anchor, Santiago, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air by Ther.	TEMPERATURE. Air by Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as to 10.	State of the Sea.
A. M.																		
1				N x W	North	2			30.36	73	74	72		be	cu		3	
2				"	"	2			30.36	73	74	74		"	"		3	
3				"	"	2			30.36	73	74	74		"	"		3	
4				"	"	2			30.36	74	74	74		"	"		3	
5				North	"	2			30.36	74	70	68		"	"		1	
6				"	"	2			30.36	75	74	69		"	"		1	
7				N N E	N E E	2			30.35	75	74	69		"	"		1	
8				"	"	2			30.27	75	73	69		be	—		0	
9				North	"	3			30.31	79	79	73		be	cu		1	
10				"	"	3			30.31	84	82	74		"	"		1	
11				"	"	2			30.31	84	84	74		"	"		2	
Noon.				N x E	N x E	3			30.30	84	85	75		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Temp of Mag. For 80-79 Mg 79-76
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 960 lbs.

Coal remaining on hand at noon, 85 " 1600 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air by Ther.	TEMPERATURE. Air by Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as to 10.	State of the Sea.
P. M.																		
1				N N E	N N E	3			30.28	85	84	76		be	acu		6	
2				North	North	2			30.27	85	84	77		"	"		7	
3				N x E	N N E	3			30.24	84	83	76		"	"		7	
4				N N E	"	2			30.24	84	84	77		"	"		7	
5				"	"	2			30.23	80	84	77		"	"		7	
6				"	"	2			30.25	80	80	77		"	"		6	
7				N E x N	"	3			30.25	77	77	73		"	"		4	
8				"	"	2			30.25	77	75	73		"	"		4	
9				N N E	N N E	4			30.25	75	75	71		"	"		4	
10				"	"	4			30.25	74	75	71		"	"		4	
11				"	"	3			30.25	74	75	71		"	"		2	
Mid.				"	"	3			30.25	74	75	71		"	N.		1	

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, April 12th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Starlight. Light breezes from North.

T.M. McBennett, Ensign, U.S.N.

4 to 8 a.m.
Clear & cool. Light breezes from North and N.N.E.

F. Towers
Lieut. U.S.N.

8 a.m. to meridian.
Fair & pleasant. Gentle & light breezes from North and N.E. A party of apprentices visited the morro. At 9:30 inspected at quarters. Exercised at setting up drill. Latter exercised with the royal yards. E. Flanner, Boatsl., and N. A. Tolman, ord., reported the expiration of their enlistments. By order of the Commander Released R. Barrett, app. 3 cl., from confinement, and restored him to duty.

C.M. Fahs Lieut. U.S.N.

meridian to 4 p.m.
Fair pleasant weather. Light to gentle breezes from N.N.E & North. Hoisted in steam-launch.

T.M. Bennett, Ensign, U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light N.N.E by breeze.

C.M. Fahs
Lieut. U.S.N.

8 p.m. to mid night.
Fair, pleasant, cool. Moderate to gentle breezes from N.N.E. Mon. Set at 6:50.

T.M. Bennett, Ensign, U.S.N.

Examined and found to be correct.

E. F. Leyden
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor. Santiago, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				N x E	NNE	3			30.25	75	75	71		b	Nmc		0	
2				"	"	3			30.25	73	73	71		bc	st		1	
3				North	North	3			30.28	74	72	71		"	"		1	
4				"	"	2			30.25	74	73	71		"	"		1	
5				"	"	2			30.25	73	72	70		"	"		2	
6				"	"	2			30.27	73	72	69		"	cu		5	
7				"	"	2			30.27	70	72	69		"	a.cu		7	
8				"	"	2			30.26	74	72	69		"	a.cu		7	
9				NNE	NNE	2			30.26	78	78	71		"	cu		4	
10				North	N x E	3			30.26	84	81	74		"	"		4	
11				Various	NNE	3-2			30.25	86	84	76		"	cau		5	
Noon.				"	South	2			30.22	85	84	77		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag.
Longitude by ° ′ ″ Fore Aft

Position at noon: { Latitude by observation ° ′ ″ 81-80 78-78.
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 190 lbs.

Coal remaining on hand at noon, 61 " 1410 "

P. M.																		
1				South	S x E	2			30.24	87	87	80		bc	acu		7	
2				"	"	2			30.22	87	87	80		"	"		6	
3				"	"	2			30.21	87	88	81		"	"		5	
4				"	"	2			30.17	86	87	81		"	cu		6	
5				Various	NNE	2			30.17	85	83	77		bcp	Lucs		8	
6				North	North	1			30.16	85	83	75		"	"		9	
7				N x E	N x E	2			30.17	79	78	75		bc	"		6	
8				NNE	NNE	2			30.19	78	78	74		"	cu		4	
9				"	"	2			30.22	77	78	74		"	"		4	
10				"	"	2			30.22	77	76	72		"	"		5	
11				"	"	3			30.22	76	75	72		"	"		3	
Mid.				N x E.	North	3			30.22	76	75	72		"	"		3	

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, April 13th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Gentle to light N.W. & Ely to Ely breezes. Barometer rising.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Cloudy & pleasant. Light breeze from North. Read in Pay Dept. for the crew, fresh provisions as follows: 150 lbs of bread, 92½ lbs of beef and 192½ lbs. of vegetables. A party of men left the ship in the sailing launch, to visit the wreck of the Spanish Armored cruiser "Almirante Esparto"

C. W. Fabro
Lieut. U.S.N.

8 a.m. to meridian.
Fair, warm. Light to gentle breeze, variable in direction from N.W. to South. Exercised at boxing and furling and shifting top sails.

J. M. Bennett, Ensign, U.S.N.

Meridian to 4 p.m.
Fair & hot. Light S. & E. Ely breezes. Barometer fell slightly. Made preparations for sea. By order of Commdg. Officer, assigned the following punishments: R. E. Jones, app. 3 cl., using filthy language, 4 hrs extra duty; E. Thomas, app. 3 cl., lying, 4 hrs extra duty; A. Talbot, app. 3 cl., insubordinate conduct, 2 hrs extra duty; G. Thomas, app. 3 cl., disorderly at mess formation, 4 hrs extra duty; H. D. Prather, app. 3 cl., noisy at mess table, 4 hrs extra duty; W. E. Bowers, app. 3 cl., and E. H. Off, app. 3 cl., not cleaning gun deck 4 hrs extra duty; W. J. Fortune, app. 3 cl., throwing bread around deck, 4 hrs extra duty; E. H. Jones, app. 3 cl., failing to sweep down gun deck 4 hrs extra duty; A. J. Moore, app. 3 cl., disgusting and indecent behavior to another apprentice, 5 days solitary confinement on bread & water, and confined F. J. McAnulty, app. 3 cl., for using filthy language, and C. H. Miller, app. 3 cl. for using obscene language, on double irons for 5 days. The Captain requested permission to leave port tomorrow morning, which was granted.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Cloudy. At 4:50 wind shifted from S. & E. to N.N.E., remainder of watch light airs and breezes from North to N.N.E., with light passing showers. At 6:10, set to for quarters.

J. M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Cloudy, cool and pleasant. Light to gentle breeze from N.N.E. to North. Barometer, steady. Moon set at 9:20

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage to Guantanamo, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eighths.	State of the Sea.
A. M.																		
1				NNE	NNE	3			30.22	75	75	72		be	Cu	6		
2				"	"	3			30.21	75	75	72		"	"	3		
3				"	"	3			30.21	74	74	72		"	"	3		
4				"	"	2			30.21	75	74	72		"	"	2		
5				"	"	2			30.21	75	74	72		"	Cu	4		
6				"	"	2			30.22	75	76	72		"	"	3		
7			60.2	Various	"	2			30.22	78	77	75	80	"	"	4		S
8	7	7	68.1	ESE3/4E	"	2			30.23	80	80	77	80	"	Cucu	5		"
9	6	9	75.0	E x S	E x N	3			30.23	79	80	77	80	"	"	5		M
10	6	0	81.0	E 1/2 S	"	4			30.23	79	80	77	80	"	"	5		"
11	4	8	85.8	Various	"	6			30.24	79	83	77	80	"	Cu	4		"
Noon.	5	0	90.8	Ditto	"	5-6			30.24	81	83	77	83	"	CuN	5		"

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Aq. 3or Aft
Longitude by ° ′ ″ 80-80 78-78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, 5 tons, 50 lbs.

Coal remaining on hand at noon, 79 " 1360 "

P. M.																		
1	4	9	95.7	ESE1/2E	ExN	4			30.24	81	82	77	80	be	Cu	6	M	
2	4	9	100.6	Various	"	4			30.24	81	82	77	80	beb	CuN	6	"	
3				ENE	East	3			30.20	83	83	77		be	"	6	"	
4				"	"	2			30.20	83	83	77		"	"	5		
5				East	ENE	3			30.20	83	83	76		"	"	6		
6				"	NE	2			30.20	83	82	76		"	"	6		
7				"	NNE	2			30.21	81	79	74		"	"	3		
8				NxE	"	1			30.23	79	78	73		"	"	2		
9				"	"	1			30.23	79	78	73		"	Cu	1		
10				"	"	1			30.24	76	75	73		"	"	1		
11				"	"	1			30.24	75	75	73		"	"	1		
Mid.				"	"	1			30.24	75	75	73		"	"	1		

under the command of Commander Frank Courtis, , U. S. Navy,

Friday. April 14th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy & pleasant. Gentle breeze from North. At 1 started fires under boilers B, C, & D.

J. F. Dewey
Lt. U.S.N.

4 to 8 a.m.
Clear pleasant weather. Light breezes from N. N. E. Made preparations for getting under way. Sent in sailing launch. Called all hands up & anchor at 6:00. At 6:15 got under way and stood out of harbor. At 7:00 put over patent log reading 60.4 and set course E.S.E. 3/4 E. Set fore & aft sail. At end of watch ship's course E.S.E. 3/4 E. pat. log 68.1 under fore & aft sail. Average steam pressure 58 lbs, revolutions 47.

T.M.B. Barnett Ensign, U.S.N.

8 am to meridian
Cloudy to pleasant. Gentle to stf. E. & N'ly breezes. Barometer 30.2 slightly. At 9:20 took in main topsail, at 9:50 took in head sails, and at 10:00 took in spanker. By order of Comdg. Officer, released R. R. Nelson from confinement, his term having expired, and placed U. S. Naval Apprentice in solitary confinement for five days on bread & water, in accordance to prescribed punishment. Steaming along the coast of Cuba, at various E'ly courses. At 10:40 Bacanao River abeam, bearing North. At end of watch under steam on course E. N. E. 3/4 E. log 90.8. Revolutions 433, Steam 55 lbs.

Ralph D. Earle,
Ensign, U.S.N.

Meridian to 4 p.m.
Fair & pleasant, with passing rain squalls 2d hour. Standing along the south coast of Cuba till 1:45, when the vessel headed in for anchorage in Guantanamo Bay. At 2 got starboard anchor in 6 fms. and veered to 40 fms., hauling along side and securing to coal barge No 2. Bearings of anchorage. Fisher Breakwater, N. 4° E. Tell-tale Bluff, N. 7° W. Duke Head, N. 6° E. 3/4 E. Ram Ridge out on starboard quarter. Began coaling at 3:30. The Comdg. Officer awarded the following punishment. J. O'Brien, fir. 1st cl., monthly money stopped for two months, for spitting tobacco over ships side. Overhauled magazine flood covers and drain, and found them in good order. Banked fires. Distilling

J. F. Dewey
Lieut. U.S.N.

4 to 6 p.m.
Cloudy & pleasant. Gentle to light E. & S. E'ly breeze. Coaling ship.

C. C. Fahs
Lieut. U.S.N.

6 to 8 p.m.
Clear pleasant weather. Light airs & breezes from N. N. E.

T.M.B. Barnett Ensign, U.S.N.

8 pm to midnight.
Clear & pleasant. Light N. N. E. & E'ly airs. Barometer rising. Moon set at 10:20.

Ralph D. Earle
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leyer.
Lieut Comdr, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,
Anchor, Guantanamo Bay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eighths.	State of the Sea.
A. M.																		
1				NNE	NNE	1			30.24	73	74	69		bc	cu		1	
2				"	"	1			30.24	74	69	68		"	"		1	
3				"	"	1			30.24	74	69	67		"	"		1	
4				NE	Calm	0			30.24	74	69	67		"	"		1	
5				"	Mist	1			30.25	74	74	70		"	"		1	
6				"	"	1			30.26	74	74	70		"	cu		3	
7				"	NW	1			30.27	76	73	71		"	"		3	
8				"	"	1			30.27	79	79	76		"	cs		4	
9				"	"	1			30.26	82	81	78		"	"		3	
10				"	"	1			30.25	87	87	81		"	"		1	
11				"	"	1			30.24	88	85	83		"	cu		3	
Noon.				ExS.	ESE	4			30.23	88	89	83		"	"		8	

Position at 8 A. M. { Latitude by ° ' " Temp of Sea. Mag.
Longitude by ° ' " Air. Mer.

Position at noon: { Latitude by observation ° ' " 81-81 79-78
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by D. R. 19 °39 ' 0 " N
Longitude by D. R. 76 ° 1 ' 0 " W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 700 gallons.

Water during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 2 tons, 260 lbs.

Coal remaining on hand at noon, 77 " 1110 "

P. M.							T. S.											
1				ExS	ESE	4			30.21	83	84	78		bc	cs		8	
2				ESE	"	5			30.19	80	81	75		"	"		5	
3				ExS	ExS	4			30.16	87	84	75		"	"		8	
4				"	"	4			30.16	83	81	73		"	"		8	
5				"	"	4			30.16	83	81	74		"	"		8	
6			1007	Various	"	4			30.16	80	81	74		"	"		4	
7	4	0	47	WSW/2W	"	4			30.14	80	81	78	79	"	"		5	W
8	7	0	117	"	"	4			30.18	81	79	78	79	"	"		8	"
9	6	7	174	"	"	4	0.6°	0	30.21	80	79	75	79	"	a cu		8	"
10	5	5	229	"	East	4	0.5°	0	30.24	80	78	74	79	"	ci		8	"
11	5	7	286	"	"	4	0-5°	0	30.21	78	77	73	79	"	"		9	"
Mid.	4	9	335	"	E by N	3	0-5°	0	30.20	75	77	73	79	"	S		8	"

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, April 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Light NW by airs first three hours, calm remainder.

Lieut W.S.N.

4 to 8 a.m.
Clear & pleasant. Light airs from W and NW. Began coaling at 6:30, taking on board during watch about 17 tons.

J. Lowry
Lieut. U.S.N.

8 am to meridian.
Clear & pleasant. Light airs from NW, shifting to ESE last hour. Coaling ship from coal barge No. 2. Finished at 12:00, having taken on board 78 tons.

W.M. Bennett, Ensign, U.S.N.

meridian to 4 pm.
Clear & pleasant. Moderate to stiff ESE by E to E by S breezes. Barometer falling. Cleaning ship. Took in sledge from starboard quarter. Draft fwd 12'6", aft 17'.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Fair & pleasant. Moderate breeze from E by S. At 5:30 cast off from coal barge and began heaving in starboard chain preparatory to getting under way.

J. Lowry
Lieut. U.S.N.

8 to 8 p.m.
Fair & pleasant. Moderate breeze from E by S. At 6:10 got under way and stood out of Guantanamo Bay. At 6:30 put over patent log 0.7, and set course W S W ½ W, p.s.c. Point Saturete bearing N by W ½ W, p.s.c. At 6:35 made sail to topgallant sail. At 7:30 uncoupled engines and let fires die out in three boilers, & reserved the fourth for distilling.

Lieut. U.S.N.

8 p.m. to midnight.
Clear & pleasant. Moderate breeze from E by S and East. At 8:30 set royals & flying jib. At 9:00 set main topmast staysail. At 9:30 hauled down main topmast staysail. Ran out at 11:25. At 11:45 took in main trysail & spanker. At end of watch on course, W S W ½ W, p.s.c., pat. log 30.5, under all sail except mainsail, main topmast staysail, maintrysail & spanker.

W.M. Bennett, Ensign, U.S.N.

Examined and found to be correct.

E. F. Lopez
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Guantanamo to Havana

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.							P.S.											
1	3	6	27.1	WSW½W.	ExN	3	0-5		30.19	77	77	73	79	bc	S		1	S
2	3	6	40.7	"	"	3	0-5		30.18	78	77	73	79	"	"		1	"
3	2	3	48.0	W⅛S	"	2	0-5		30.18	78	78	73	79	"	"		1	"
4	2	4	55.4	"	"	2	0-5		30.18	78	78	75	79	"	"		1	"
5	1	9	49.3	"	ExS	2	0-4		30.18	79	78	74	79	"	cis		3	"
6	1	5	48.7	"	"	2	0-2		30.19	79	78	74	79	"	"		4	"
7	2	0	50.7	"	"	2	0-2		30.21	79	78	74	79	"	"		4	"
8	2	3	53.9	"	"	2	0-2		30.22	80	79	74	79	"	"		4	"
9	2	4	55.2	"	ESE.	2	0-2		30.23	79	80	75	79	"	ci cu		3	"
10	2	0	57.1	"	"	2	0-3		30.24	80	81	75	77	"	"		2	"
11	1	9	59.0	"	"	2	0-3		30.23	85	84	77	79	"	"		4	"
Noon.	1	6	60.6	West	ExS.	2	0-3		30.20	85	85	77	79	"	"		4	"

Position at 8 A. M. { Latitude by D. R. 19° 39' 0" N Temp. of Mag. 76° 7' 4" W. Fore. Aft.
Longitude by obs. 81-81 79-78

Position at noon: { Latitude by observation 19° 42' 13" N
Longitude by observation 76° 16' 4" W
Latitude by D. R. 19° 38' 15" N
Longitude by D. R. 76° 10' 0" W.

Course made good since preceding noon: S 80° W.

Distance made good since preceding noon: 65 miles.

Distance by Log since preceding noon: 603 miles.

Current per hour: 3/10 miles, set N 54° W true.

Position at 8 P. M. { Latitude by D. R. 19° 40' 23" N
Longitude by obs. 76° 37' 10" W

Variation of compass: 8:16 A.M. 2° 20' E'ly 5:24 P.M. 2° 20' E'ly

Error of compass observed at 8:16 a.m. S.H. W-3/4 S, 1° 08' W'ly. 5:24 p.m. S.H. W.S.W. 1° 12' W'ly

Deviation of compass on " " " " 3° 58° W'ly " " " " 3° 32' "

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 1685 lbs.

Coal remaining on hand at noon, 153 " 1665 "

P. M.							P.S.											
1	1	4	61.8	West	SE	1	0-3	0	30.19	89	82	77	80	bc	ci cu.		4	S
2	1	1	62.4	"	"	1	0-3	0	30.16	87	82	77	80	"	"		4	"
3	0	6	62.5	"	"	1	0-3	0	30.14	87	82	77	80	"	"		3	"
4	0	3	62.8	W x S.	"	1	0-3	0	30.14	87	82	77	80	"	"		3	"
5	1	4	62.5	"	"	1	0-3	0	30.12	86	82	76	80	"	"		3	"
6	0	7	62.5	"	"	1	0-3	0	30.12	85	80	75	80	"	ci cu		5	"
7	0	4	62.8	WSW	ESE	1	0-3	0	30.11	82	79	76	79	"	ci cu		6	"
8	1	0	63.2	"	"	1	0-3	0	30.11	81	79	76	79	"	cu		6	"
9	1	2	63.4	"	SE	1	0-3	0	30.11	81	79	76	79	"	"		6	"
10	1	5	63.4	"	"	1	0-3	0	30.14	81	79	76	79	"	"		6	"
11	1	9	64.0	"	"	1	0-3	0	30.14	80	79	75	79	"	"		5	"
Mid.	1	9	64.6	"	ESE.	1	1-3	0	30.18	79	79	75	79	bcb	cu		4	"
	1	6	66.2	"	NNW	2	3-1	0	30.18	76	75	69	79	"	"		8	"
	2	5	68.7	"	"	2	3-1	0	30.18	74	71	67	79	"	"		8	"

under the command of Commander Frank C. Court is, U. S. Navy,

Sunday, April 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 7 until 4 a.m.
Clear & pleasant. Gentle to light E by N'ly breezes. Barometer fell slightly. Maximum roll, 5°. At 2:10, hauled down the flying jib. At 2:00 changed course to West 3/8 South, p.s.c., log, 40.7. At end of watch under plain sail to royals, except mainsail, spanker and flying jib, and fore top mast staysail. On course W 3/8 S. p.s.c., log 45.4.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breeze from E x S. On course, W 3/8 S. and under same sail as previous watch. Lowered smoke pipe at 7:30. and bent mainsail.

T. Tolman
Lieut. U.S.N.

8 am to meridian.
Fair & pleasant. Light breeze from E. S.E. to E x S. At 8:30 set flying jib, main t'gmast staysail, spanker, and let clew of mainsail. All s'quare sail to royals Set. At 10:30 took in let clew of mainsail, main top mast staysail, spanker. Course W 3/8 S. p.s.c. At 11:30 changed course to West, p.s.c. The Comdg. Officer assigned the following punishment: W. E. Jones, ap's 3 cl. absent a commissary cook, 2 hrs. extra duty; R. Dalzell, D. Holmead, C.H. Allen, J. J. Hirl, A. Vaughn, app's 3 cl., shirking, 2 hrs. extra duty; F. S. Child, app's 3 cl., smoking, 3 hrs. extra duty; A. W. Hackley, app. 3 cl., abusive language to Master-at-Arms, 16 hrs. extra duty; G. R. Welch, app's 3 cl., shirking and lying, 36 hrs. extra duty; A. Talbot, app's 3 cl., shirking, and carelessly dropping Government property, 5 days overboard solitary confinement on bread & water. By order of the Commander, released M. E. Thorne, mess att'd, from confinement, and restored him to duty.

C. M. Fahs
Lieut. U.S.N.

Meridian to 4 p.m.
Fair & pleasant. Light airs from S.E. At 2:30 changed course to W x S. set spanker, main t'gmast staysail and let clew of mainsail. At end of watch under all sail but weather clew of mainsail, and main trysail

W. M. Bennett, Ensign, U.S.N.

4 to 6 p.m.
Fair & pleasant. Light E.S.E. & ly airs & breezes. Barometer fell slightly. Maximum roll 3°. At 4:40 changed course to W.S.W. p.s.c., log 62.8. At 5:45 chaplain held evening prayer. At end of watch on course, W.S.W, p.s.c., log 62.8, under same sail as previous watch.

Ralph Earle,
Ensign, U.S.N.

6 to 8 p.m.
Fair & very pleasant. Light airs from S.E. On course, W.S.W. during watch. At 7:00 hoisted up spanker. At end of watch under all sail except spanker & main trysail.

T. Tolman
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy & cool with passing rain squalls. Light airs from S.E. first half; light N.W. breeze latter part. Course W.S.W. p.s.c. All sail set save main trysail

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. & Navigator.

LOG of the UNITED STATES

Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water'd Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, each in tenths.	State of the Sea.
A. M.																		
1	2	0	70.0	W.S.W.	North	1	2-3	½	30.16	76	77	75	79	be	cu.n.		7	S
2	1	5	71.0	"	N E	1	2-2	0	30.15	76	77	75	79	bcb.	"		8	"
3	3	0	73.5	"	S E	2	0-4	0	30.13	78	78	75	79	be	"		4	"
4	3	7	77.1	"	"	3	0-5	0	30.13	79	79	75	79	"	cu		4	"
5	3	9	81.0	"	"	3	0-5	0	30.15	79	79	76	79	"	"		4	"
6	3	6	84.6	W x S	"	3	0-5	0	30.17	79	79	76	79	"	c cu		4	"
7	4	2	88.8	"	"	3	0-5	0	30.19	79	79	76	79	"	"		4	"
8	4	6	93.3	West	"	4	0-5	0	30.20	80	80	77	79	"	"		4	"
9	4	7	98.0	"	"	3	0-5	0	30.22	81	81	78	79	"	"		4	"
10	4	2	2.2	W x N	E S E	3	0-5	0	30.23	81	81	78	79	"	"		4	"
11	4	0	6.2	"	"	3	0-5	0	30.22	84	81	77	80	"	cu		4	"
Noon.	4	8	11.0	"	"	3	0-5	0	30.19	81	84	77	80	"	"		4	"

Position at 8 A. M. { Latitude by D. R. 19 °24'28" N Temp. of Mag. 80-79
Longitude by 77 °23' " W For Aft.

Position at noon: { Latitude by observation 19 °37'27" N 82-82
Longitude by observation 77 °40'36" W
Latitude by D. R. 19 °32' " N
Longitude by D. R. 77 °18'4" W.

Course made good since preceding noon: S 83° W.

Distance made good since preceding noon: 80 miles.

Distance by Log since preceding noon: 70.2 miles.

Current per hour: 9/10 miles, set West. true.

Position at 8 P. M. { Latitude by D. R. 19 °41'37" N
Longitude by Obs. 78 °19'30" W.

Variation of compass: 8:39 a.m. S.H. West. 2°30' Ely. 5:27 p.m. S.H. W 6 W 3/4 W. 2°30' Ely.

Error of compass observed at " " " " 37' wly " " " " 1°6' wly.

Deviation of compass on " " " " 3°7' wly. " " " " 3°36' wly.

Water expended during the preceding 24 hours, 700 gallons.

Water " during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 153 " 1265 "

P. M.																		
1	4	4	15.4	W.N.W.	E S E	3	0-4		30.18	84	83	77	80	be	cu		4	S
2	4	9	20.3	"	"	3	0-4		30.16	84	83	77	80	"	"		4	"
3	4	7	25.0	"	"	3	0-4		30.13	84	83	77	80	"	"		3	"
4	4	1	29.1	"	"	3	0-4		30.10	84	80	77	80	"	"		3	"
5	4	8	33.9	"	"	3	0-4		30.10	80	78	75	80	"	"		3	"
6	4	8	38.7	"	"	3	0-4		30.10	80	78	75	80	"	"		3	"
7	5	0	43.7	"	"	4	0-4		30.12	79	77	76	80	"	"		2	"
8	5	0	48.7	"	"	4	0-4		30.14	78	78	76	80	"	"		3	"
9	4	7	53.4	"	"	4	0-4		30.15	78	78	76	80	"	"		3	"
10	4	6	58.0	"	"	4	0-4		30.15	78	78	76	80	"	"		4	"
11	5	5	63.5	"	S E x E	4	0-5		30.17	79	78	76	80	"	"		4	"
Mid.	6	0	69.5	"	"	4	0-5		30.17	79	78	76	79	"	"		3	"

4-25

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, April 17th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4a m.
Partly cloudy; light passing showers at 1:45. Light airs & breezes, shifting suddenly in direction from North to S.E. At 2:00 took in spanker, at 2:30 set spanker. At end of watch on course W S W, under all sail but main trysail. Stat log. 77.1. Vessel steady. Barometer falling.

W M Bennett. Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant. Gentle to moderate breeze from S E. Barometer rising. Mag. roll, 5° E. At 5:00 changed course to W x S. (p.s.c.) log 81.6. At 7:30 changed course to West, p.s.c. log 91.1. At 6:00 passed a steamer bound to S E'd. End of watch under same sail as previous watch, on course West, p.s.c., log 93.3.

Ralph Earle, Ensign, U.S.N.

8 am to meridian.
Fair & warm. Gentle breeze from S E & E S E. At 9:00 changed course to W x N, and took in fore & main topmast staysail & flying jib, and hauled up weather clew of mainsail. At 9:30 went to general quarters, division reporting ready at 9:34 & secured at 9:52. During 2d period made out clothing and small stores requisitions. At 11:30 set clock back four minutes. The Commdg. Officer awarded 8 hrs. Extra duty to the following boys for smoking. R E Hutchison, App. 3d cl., and F E Hutchinson, App. 3d cl. At noon changed course to W N W 1/2 W.

J F Dewey Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Gentle E & S E ly breeze. Course W N W 3/4 W. p.s.c. All sail set save fore and main topmast staysails and main trysail. Sent down the old foresail, and bent a new one & set it.

C C Todd Lieut. U.S.N.

4 to 6 p.m.
Clear & pleasant. Gentle breezes from E S E. At 4:30 took in main trysail. At 4:40, exercised at sail drill. At end of watch on course W N W 3/4 W, stat log. 38.7, under all sail except fore & main topmast staysail & main trysail. Vessel steady.

W M Bennett, Ensign, U.S.N.

6 to 8 p.m.
Fair & pleasant. Moderate E S E ly breezes. Barometer rising. Mag. roll, 4° E. At 7:00 took in spanker. At end of watch on course W N W 3/4 W, p.s.c., log 48.7, under same sail as previous watch with exception of spanker.

Ralph Earle, Ensign, U.S.N.

8 pm to midnight.
Fair & very pleasant. Moderate breeze from E S E, and S E x E. Bright moon light. At 11 hauled up weather clew of main sail, and set spanker. On course, W N W 3/4 W during watch.

J F Dewey Lieut. U.S.N.

Examined and found to be correct.

F. F. Lizier. Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

Nearing passage from Guantanamo to Havana.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Hscl.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eighths.	State of the Sea.
A. M.							P. S.											
1	6	8	755	NNW½W.	SE	5	1-5	-	30.17	77	76	74	79	bc	cu		6	S
2	5	6	81.3	"	"	5	1-5	-	30.17	77	76	73	79	"	"		6	"
3	5	1	86.4	"	SxE	4	1-5	-	30.16	76	75	71	79	bcfs.	cu		8	"
4	4	0	90.4	"	"	3	1-4	-	30.16	77	76	71	79	bc	cu		3	"
5	2	9	93.3	"	"	3	1-4	¼	30.16	77	77	72	79	bcfbl.	cu		5	"
6	4	6	97.9	"	"	3	1-6	-	30.16	78	77	74	79	bc	cu		3	"
7	4	6	2.5	"	SSE	3	1-5	-	30.17	79	78	75	79	"	"		3	"
8	4	8	6.8	"	"	3	0-5	-	30.16	80	80	75	79	"	"		3	"
9	4	8	11.6	NxW	"	4	0-5	-	30.16	81	81	75	79	"	"		3	"
10	5	3	16.9	"	"	4	0-5	-	30.17	81	81	75	79	"	"		3	"
11	5	2	22.1	"	"	4	0-5	-	30.15	82	82	75	79	"	"		3	"
Noon.	5	1	27.2	"	"	4	0-5	-	30.14	83	83	75	79	"	"		3	"

Position at 8 A. M. { Latitude by D. R. 19°53'49" N
Longitude by obs. 79°23'37" W

Temp. of Mag. Fr. Aft.
82-82 80-79

Position at noon: { Latitude by observation 20° 9'29" N
Longitude by observation 79°41'49" W
Latitude by D. R. 19°59'45" N.
Longitude by D. R. 79°40'36" W.

Course made good since preceding noon: N 70° W.

Distance made good since preceding noon: 130 miles.

Distance by Log since preceding noon: 117 miles.

Current per hour: .45 miles, set N 24° W. true.

Position at 8 P. M. { Latitude by Polaris 20°16'41" N.
Longitude by obs. ☾ 80°24'26" W.

Variation of compass: ¾ at 8:10 a.m. 2°35' E'ly. at 5:50 p.m. 3° 0' E'ly.

Error of compass observed at 8:10 a.m. D.R. WNW ¾ W. 0°46' wly. at 5:50 p.m. S.H. West 0°0'

Deviation of compass on " " " " " 3°20' " " " " " " 3° 0' w'ly.

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 153 " 865 "

P. M.							P. S.											
1	4	3	31.5	NxW West	S. S. E.	4	0-5		30.17	83	83	75	79	bc	cu		3	S
2	4	4	34.9	"	"	4	0-5		30.17	83	83	75	79	"	"		3	"
3	4	0	38.9	"	South	4	0-5		30.10	82	81	77	80	"	"		2	"
4	4	1	43.0	"	"	4	0-5		30.08	81	81	77	80	"	cu		3	"
5	3	7	46.7	"	"	3	0-5		30.08	81	81	77	80	"	"		4	"
6	3	5	50.2	"	"	3	0-5		30.08	80	80	77	80	"	cu		4	"
7	3	0	53.2	"	"	2	0-5		30.05	80	80	77	80	bcl	"		4	"
8	2	0	55.2	"	"	1	0-5		30.10	80	80	77	80	"	"		5	"
9	2	0	57.2	"	S.S.W.	2	0-4	¼	30.12	80	80	78	80	"	"		5	"
10	2	8	60.0	"	"	2	0-5	½	30.13	80	80	78	80	bcfpl	"		7	"
11	2	1	62.1	NxW	S W.	3-4	0-4	½	30.14	76	77	75	79	bcgyllw	"		9	"
Mid.	2	2	64.3	West	N. x W.	3	3-0	½	30.14	78	76	74	79	"	"		8	"

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, April 18 7, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy & pleasant. Raining third hour. Stiff to moderate breeze from S.S.E. to S. x E. All sail set save fore & main top mast stay sails and main try sail. At 3:00 set fore & main top mast stay sail. Course N.N.W.3/4 W. p.s.c.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Partly cloudy, passing showers. Gentle breezes from S. x E. & S.S.E. Passed a small schooner bound to East x. At end of watch under all sail except main try sail, on course N.N.W.1/2 W, pat. log 6.8.

8 a.m. to meridian.

W.M. Burnett Ensign U.S.N.

Clear & pleasant. Moderate S.S.E. ly breezes. Barometer falling. Mast roll 5°. At 8:30 changed course to N. x W., p.s.c., log 8.7. At 9:50, sighted from royal yard, Cayman Brac abeam. At 9:30 went to general quarters, divisions ready in following time; 1st & 2d 2½ min.; 3d, 2 min., 4th, 1 min., Powder, 2½ min., navigators, 2½ min. Secured at 9:42½. By order of Commdg. Officer released from confinement P. J. McInulty, and E. H. Keller, appr. 3d cl., their terms having expired, and placed A. Robert, appr. 3d cl., in double irons for seven days, for failing to clear gun deck and insolent. Commdg. Officer assigned following punishments: E. B. Pollard, appr. 3d cl., shirking in hammock netting, 4 hrs extra duty; R. Dalzell, appr. 3d cl., continued and persistent shirking, 5 days in solitary confinement on bread and water; M. Sullivan, appr. 2 cl., not sleeping in hammock, and failing to haul & carry, 4 hrs extra duty; and C. J. Roy, H. Ulmer, D. Johnead, W. P. Hutchinson, T. R. Phillips, appr. 3d cl., smoking, 16 hrs extra duty. At 10:30 armed & equipped all boats for cutting out, all being ready in 5½ min. At 11:30 set clock back 4 minutes. At end of watch, on course W. x N., p.s.c., log 27.2, under same sail as previous watch.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Moderate breeze from S.S.E. and South. At 12:30, pat log reading 29.4, changed course to West. During 3d period, the Doctor instructed 1st & 2d divisions in first aid to the injured, all the apprentices having instruction in knotting & splicing, and in sail & spars.

J. T. Dewey
Lt. U.S.N.

4 to 8 p.m. Cloudy & pleasant. Gentle breeze from South. Course West p.s.c. All sail set save main try sail. Exercised at shortening sail and reefing.

C. M. Fahs
Lieut. U.S.N.

6 to 8 p.m.
Cloudy, lightning to North and. Light airs & breezes from South. At end of watch, on course West, under all sail but main try sail, pat. log 8.2.

W.M. Burnett, Ensign, U.S.N.

8 p.m. to midnight.
Cloudy, squally, and rainy weather. Light S. & S.W. ly breezes, and light to moderate S.W. ly, shifting to gentle N. x W. ly breezes last hour. Barometer rising. Mast roll 5°. Took in spanker at 8:00, royals and fly sig jib at 10:00, main top mast stay sail and mainsail at 10:30. ~~At 10:50 set main try sail.~~ At 11:00 wore & lip. At 11:30 set mainsail & main top mast stay sail, ~~took in main try sail~~ 3d hour steering full & by, remainder of watch on course. At end of watch, on course West, log 63. under t'gallants'ls, topsails, courses, jib, and fore & main top mast stay sail.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex. 32 Rate,

Making passage from Guantanamo to Havana.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hscl.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount. sometimes	State of the Sea.
A. M.							P. S.											
1	3	5	66.5	West	N.N.W.	3			30.11	78	75	75	79	bcp	cun		4	S
2	1	5	69.5	"	N.N.E.	2			30.08	78	75	75	79	"	"		5	"
3	0	8		"	E.N.E.	1			30.06	78	75	75	79	bcl	"		3	"
4	1	0		"	E.S.E.	1	5-5		30.07	78	75	75	79	"	"		2	"
5	1	1	69.9	"	S.E.	1	2-2		30.08	79	78	76	79	bc	cu		3	"
6	2	7	71.6	"	"	2	2-3		30.08	80	78	76	79	"	"		4	"
7	3	0	74.6	"	"	2	6-7		30.10	80	79	77	79	"	"		4	"
8	1	9	76.1	"	"	1	6-7		30.11	81	80	78	79	"	"		4	"
9	1	6	77.2	"	E.S.E.	2	4-6		30.13	84	81	78	79	bcp	cun		7	"
10	2	0	78.7	"	S.E.&S.	2	0-6		30.13	81	81	79	79	bc	"		6	"
11	2	8	81.5	"	"	2	0-6		30.13	82	82	79	79	"	"		6	"
Noon.	3	1	84.6	"	"	2	0-6		30.11	83	83	80	80	"	cu		3	"

Temp. of Sea. Forenoon 83-82 Afternoon 80-79

Position at 8 A. M.	Latitude by D. R.	20° 16' 41" N
	Longitude by obs.	80° 51' 0" W.
Position at noon:	Latitude by observation	20° 15' 21" N
	Longitude by observation	81° 01' 0" W
	Latitude by D. R.	20° 09' 29" N.
	Longitude by D. R.	80° 51' 49" W.
Course made good since preceding noon:		N. 85° W.
Distance made good since preceding noon:		71 miles.
Distance by Log since preceding noon:		63.1 miles.
Current per hour: 44 miles, set N. 56° W. true.		
Position at 8 P. M.	Latitude by obs.	20° 24' 12" N.
	Longitude by obs.	81° 31' 12" W.
Variation of compass:	5:24 p.m. 3° 00' E'ly.	
Error of compass observed at	5:24 p.m. S.H. WNW 3/4 W.	0° 14' wly
Deviation of compass on	" " " "	3° 14' "
Water expended during the preceding 24 hours,		600 gallons.
Water during the preceding 24 hours,		"
Water remaining on hand fit for use at noon,		900 "
Coal consumed during the preceding 24 hours,		tons, 400 lbs.
Coal remaining on hand at noon,		1053 " 465 "

P. M.																		
1	1	5	86.1	West	South	W	0-5		30.10	85	83	79	80	bc	cu		2	S
	1	5	87.6	NxW.														
2	2	5	90.1	N.N.W 3/4 W.	"	W	0-5		30.09	85	83	79	80	"	"		2	"
3	2	4	92.5	"	S.E.	W	0-5		30.09	84	84	79	80	"	"		3	"
4	2	7	95.2	"	"	W	0-5		30.06	87	84	76	80	"	"		3	"
5	2	6	97.6	"	"	W	0-5		30.06	81	81	75	80	"	"		4	"
6	2	6	0.2	"	"	W	0-5		30.05	80	81	78	80	"	"		4	"
7	3	0	3.2	"	"	W	0-5		30.06	79	80	74	80	"	cun		6	"
8	3	7	6.4	"	"	3	0-5		30.08	79	80	78	80	"	cu		6	"
9	3	1	9.5	"	"	3	0-5		30.08	79	80	76	80	"	"		4	"
10	3	4	11.9	"	"	3	0-5		30.11	79	77	75	80	"	"		4	"
11	0	9	12.8	N x W.	S S W	1	0-2		30.11	79	77	79	80	bcp	cun		6	"
Mid.	1	1	12.9	N.N.W 3/4 W.	S x E.	1	0-2		30.11	79	77	79	80	bc.	cu.		8	"

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, April 19th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Cloudy, with frequent showers first part, but clear & pleasant last half of watch. Gentle breezes to light airs. Hauling from N.N.W to E.S.E. Moon set at 1:00. At 2:00 set royals & flying jib. At 3:20 took a cast with 100 fms. of wire, and found no bottom. Course & Mest during watch.

J. L. Dewey
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant. Light airs to light breeze from S.E. All sail set save main trysail. Course West, p.s.c.

C. W. Fahs
Lieut. U.S.N.

8 am to meridian. Fair, with light passing shower at 9:00. Light airs & breezes from E.S.E and S.E by S. At 9:15 took in spanker, main topmast staysail, and weather clew of mainsail. At 9:30 went to general quarters, all divisions reporting ready in 3 minutes. Secured at 9:55. Answered bags of divisions of boys. By direction of Commdg. Officer released A. S. Moon, app. 3 cl, last from 2 days confinement having expired, and placed E. Dalzell, app. 3 cl., in solitary confinement on bread and water for 5 days, in accordance with punishment previously awarded. The Commdg. officer assigned the following punishment: T. Robinson, messatt., disobeying orders of steward, 14 hrs. extra duty. Set spanker & main topmast staysail. At 11:00, unbent mainsail, and set main trysail. Raised smoke stack and set up guys. Hoisted ball at fore. At end of watch on course W. Mest, pat. log 84.6, under all sail but mainsail. Ship rolling heavily, mac. roll. 6°.

W. McBennett Ensign, U.S.N.

meridian to 4 p.m.
Clear, pleasant, and very warm. Light S'ly to S x E'ly breezes. Barometer falling. Mac. roll, 5°. At 12:30 changed course to W x N, p.s.c., log 86.1, and at 1:00 to W.N.W 3/4 W, p.s.c., log 87.6. Held quarters and drills. Norwegian bark in sight on starboard beam. At end of watch, under same sail as previous watch, on course W.N.W 3/4 W, p.s.c., log 95.2. At 12:30 started fires under [illegible] and relaying old coppers and steel deck. [illegible] preparatory to coaling.

Raleigh Earle,
Ensign, U.S.N.

4 to 6 p.m. Fair & very pleasant. Light breeze from S x E. On course W.N.W 3/4 W, and under all sail except mainsail during watch. At 4:44 sounded fire alarm, all divisions reporting ready in 2 3/4 min. At 4:51 sounded the call to "Abandon Ship", all boats reporting ready in 1 1/4 min.

J. L. Dewey
Lieut. U.S.N.

6 to 8 p.m.
Cloudy, to fair & pleasant. Light to gentle breeze from S x E. Course W.N.W 3/4 W, p.s.c., all sail set. Started evaporator at 6:30.

C. W. Fahs
Lieut. U.S.N.

8 pm to midnight
Cloudy. First two hours, gentle breezes from S x E. At 10:00 wind shifted gradually, to S.S.W, heading ship off course. At 11:00 went hauled aft to S x E, and fell to light airs. At 9:15 took in main topmast staysail, at 10:00 took in spanker and main trysail, furled in and furled royals and flying jib. At 10:55 set royals, flying jib, spanker, and main trysail. At end of watch on course W.N.W 3/4 W, pat. log. 12.9, under all sail but mainsail & main topmast staysail.

W. McBennett Ensign, U.S.N.

Examined and found to be correct.

E. F. Leopez
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Making passage from Guantanamo, to Havana.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Eastward.	Lowest, observed.	State of the Sea.
A. M.							P. S.											
1	1	0	132	WNW½W.	ESE	1	2-3		30.09	80	79	78	79	bcl	cu		4	S
2	1	0	13.7	"	"	1	2-3		30.07	80	79	78	79	bc	"		2	"
3	1	0	14.3	"	"	1	2-3		30.04	79	78	77	79	"	"		1	"
4	2	0	15.8	"	"	2	2-3		30.03	80	79	78	79	"	F.cu		1	"
5	1	6	17.6	"	"	2	2-4		30.04	80	79	78	79	bc	cu		1	"
6	1	9	18.8	"	"	2	2-4		30.05	80	79	78	79	"	"		1	"
7	2	0	20.8	"	"	2	2-4		30.07	81	80	78	79	"	"		1	"
8	2	0	22.8	"	"	2	2-4		30.09	82	81	79	79	"	"		3	"
9	2	0	24.8	"	"	2	2-4		30.09	83	82	79	79	"	"		3	"
10	2	4	26.8	"	"	2	2-4		30.10	84	82	79	79	"	"		4	"
11	3	0	28.8	"	SE	2	2-4		30.10	84	82	79	79	"	"		3	"
Noon.	2	4	29.9	"	"	2	2-4		30.10	88	83	79	80	"	"		5	"

Position at 8 A. M. { Latitude by D. R. 20° 29' 22" N. / Longitude by obs. 81° 50' 40" W.

Position at noon: { Latitude by observation 20° 30' 0" N. / Longitude by observation 82° 1' 22" W. / Latitude by D. R. 20° 28' 21" N. / Longitude by D. R. 81° 56' 18" W.

Temp. of Mag. For. Aft. 80-82 80-60

Course made good since preceding noon: N 76° W.

Distance made good since preceding noon: 58 miles.

Distance by Log since preceding noon: 53 miles.

Current per hour: .2 miles, set N 70° W. true.

Position at 8 P. M. { Latitude by obs. 20° 43' 14" N / Longitude by obs. 82° 20' 12" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand at for use at noon, 1400 "

Coal consumed during the preceding 24 hours, 1 tons, 1235 lbs.

Coal remaining on hand at noon, 157 " 1470 "

P. M.							P. S.											
1	3	0	29.	WNW½W	SE	2	2-3		30.09	87	85	79	79	bc	cu		5	S
2	2	4	30.6	"	SSE	1	2-3		30.06	88	85	79	79	"	"		6	"
3	1	3	31.5	"	"	1	2-3		30.04	87	85	79	79	"	"		6	"
4	1	6	32.3	"	"	1	2-3		30.05	86	85	79	79	"	"		5	"
5	0	4	32.7	"	"	1	2-2		30.05	84	82	77	79	"	c.cu		5	"
6	1	7	33.0	"	"	1	1-1		30.04	82	82	77	79	"	"		6	"
7	1	8	33.2	"	SE	1	1-1		30.06	80	79	76	79	"	"		6	"
8	2	4	33.7	"	"	2	1-1		30.09	80	79	74	79	"	cu		5	"
9	1	8	35.0	"	East	2	2-2		30.11	80	79	74	79	"	cu.s		5	"
10	2	2	37.1	"	"	2	2-2		30.13	80	79	76	79	"	"		5	"
11	2	4	39.1	"	ExS	2	2-2		30.14	81	79	74	79	"	"		6	"
Mid.	1	8	40.2	"	"	2	2-2		30.14	81	79	74	79	"	"		2	"

4—2 5

under the command of Commander Frant Clowes, U. S. Navy,

Thursday, April 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 1st watch at 4 a.m.
Fair & pleasant. Light E.S.E. ly airs & breezes. Barometer falling. Moon set at 2. Mast roll, 3°. Under plain sail to royals except main sail, main try sail, & fore topmast staysail, on course N.N.W. 3/4 W, p.s.c., log 15.8.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breeze from E.S.E. At 7.00 set main topmast staysail. On course N.N.W. 3/4 W during watch.

J. F. Luby
Lieut. U.S.N.

8 a.m. to meridian.
Fair & warm. Light breeze from E.S.E. to S.E. All sail set. Course N.N.W. 3/4 W, p.s.c. By order of the Commander, the rating of Hjalmar Lindquist, cox., has been changed to that of B.M. 2d cl., to date from April 1st, 1899. The Commander awarded the following punishments: C.J. Roy, app. 3d cl., chewing tobacco and contemptibly ragged at quarters, 24 hrs extra duty; A.H. Squires, app. 3d cl., Skylarking in rank, 24 hrs extra duty; J. Robinson, mess att., scrubbing clothes in cabin party, reduced to 2d class. Stat. log was hauled in from 10 to 11 for repairs.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Fair pleasant weather. Light airs & breezes from S.E. and E.S.E. Serving out clothing & small stores. At end of watch on course N.N.W. 3/4 W, p.s.c., stat. log 32.3, under all sail except main sail. Mast roll 3°. Examined all gun cylinders, and found them quite full.

F. M. Bennett, Ensign, U.S.N.

4 to 6 p.m.
Clear & pleasant. Light S.S.E. ly breezes. Barometer fell slightly. Mast. roll, 2°. From 4.35 to 5.35, secured at sail drill, and swung ship for compass deviations in the N.E. Quadrant. Remainder of watch on course N.N.W. 3/4 W, p.s.c. Stat. log hauled in during drill. Chaplain held evening prayers. Watch same sail as previous watch.

Ralph Earle,
Ensign, U.S.N.

6 to 8 p.m.
Fair & very pleasant. Light airs & breezes from S.E. On course N.N.W. 3/4 W during watch. At 7.00 hauled down main topmast staysail.

J. F. Luby
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy to fair. Very heavy dew. Light breeze from E. to E.S.E. Course N.N.W. 3/4 W, p.s.c. All sail set save spanker, main try sail, & main topmast staysail. Stopped the evaporator from 8 to 10, and at 10 started it again.

C. M. Fahs Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Navigator.

LOG of the UNITED STATES Training Ship Essex, **Rate,**

Making passage from Guantanamo to Havana

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, in tenths.	State of the Sea.
A. M.							P. S.											
1	1	6	41.1	W N W 2 W	E x S	1	2-2		30.14	79	77	73	79	bcw	cu		2	8
2	2	0	41.2	"	S E	2	2-2		30.14	79	77	73	79	"	"		1	"
3	2	0	41.7	"	"	2	2-2		30.14	78	77	73	79	"	"		5	"
4	2	5	42.7	"	"	2	2-2		30.14	78	77	72	79	"	"		4	"
5	3	0	43.8	"	S S E	3	2-2		30.12	78	77	73	79	be	"		3	"
6	3	2	46.4	"	S x E	3	2-2		30.10	78	77	73	79	"	cu		4	"
7	3	6	50.0	"	S S W	3	2-4		30.08	80	79	75	79	"	"		5	"
8	2	2	52.1	"	"	2	0-4		30.10	81	80	76	79	"	"		3	"
9	2	0	52.9	"	S S E	1	0-4		30.10	84	83	77	79	"	"		3	"
10	1	8	54.2	"	"	1	0-4		30.11	84	84	79	79	"	"		5	"
11	2	4	56.1	"	"	2	0-4		30.10	86	85	79	79	"	"		5	"
Noon.	2	6	58.7	"	"	2	0-4		30.09	86	85	79	80	"	"		4	"

Position at 8 A. M.	Latitude by D.R.	20 °50'14" N	Temp. of Mag.
	Longitude by Obs.	82 °50'30" W	Forw Aft.
Position at noon:	Latitude by observation	21 °06'26" N	82-81 80-79
	Longitude by observation	82 °59'00" W	
	Latitude by D. R.	20 °42'24" N	
	Longitude by D. R.	82 °58'22" W.	
Course made good since preceding noon:		N 56° W.	
Distance made good since preceding noon:		65 miles.	
Distance by Log since preceding noon:		627 miles.	
Current per hour: 1. miles, set N 10° W. true.			
Position at 8 P. M.	Latitude by Obs.	21 °19'48" N	
	Longitude by Obs.	83 °52'57" W.	
Variation of compass:		8:20 a.m. 3°20' Ely.	5:10 p.m. 3°40' Ely.
Error of compass observed at		8:20 a.m. S.H. N W N by W. 0°30' Wly.	5:10 p.m. S.H. N x W, 0°45' Ely.
Deviation of compass on		" " " " 3°50' "	" " " " 2°55' Wly.
Water expended during the preceding 24 hours,			500 gallons.
Water distilled during the preceding 24 hours,			1200 "
Water remaining on hand fit for use at noon,			2100 "
Coal consumed during the preceding 24 hours,			1 tons, 1460 lbs.
Coal remaining on hand at noon,			150 " 10 "

P. M.																		
1	1	0	59.4	W N W 4 W West	S S E.	3	0-4		30.09	86	86	79	79	be	cu		4	5
2	2	8	64.6	"														
3	3	0	67.6	W x N.	"	3	0-4		30.09	86	86	79	79	"	"		4	"
4	5	7	73.3	"	"	2	0-4		30.09	88	83	80	79	"	"		5	"
5	5	4	78.7	"	"	1	0-4		30.09	88	84	81	79	"	as		5	"
6	5	8	84.0	"	"	1	0-4		30.08	88	84	81	79	"	"		5	"
7	5	1	89.1	"	"	1	0-4		30.08	88	84	80	79	"	"		6	"
8	5	3	94.4	"	E S E	1	0-4		30.08	84	80	78	79	"	"		6	"
9	5	4	99.8	"	"	1	0-3		30.08	84	80	78	79	"	"		5	"
10	5	3	4.5	W 2 N.	"	1	0-4		30.14	82	80	78	79	bel	cu		8	"
11	5	1	9.6	"	"	1	0-4		30.15	82	80	78	79	"	"		8	"
Mid.	5	7	15.3	"	E S E	1	0-4		30.14	81	80	78	79	"	"		8	"
	5	8	21.1	"	"	1	0-3		30.12	81	80	78	79	ocw	a-s		10	"

4—25

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, April 21st, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced & ended as in M.
Clear pleasant weather. Heavy dews. Light airs & breezes from E. & E.S.E. to S.E. At end of watch, on course, W.N.W. 3/4 W., p. & c., Dist. log 42.4, under all plain sail to royals, except mainsail & spanker.

W.M. Bennett Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Gentle to light S.S.E. by E. and S. by E., shifting to S.S.W. by breezes. Barometer falling. Maximum roll 4°. At 5:00 set maintopmast staysail, main staysail, and spanker. On course, W.N.W. 3/4 W., p. & c., during watch.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian. Fair & warm. Light airs & breezes from S. & S.W. At 9:00 started fires under boiler C. By order of Commdg. Officer released A. Talbot, app. 3 cl., from term of confinement having expired, and placed G. D. Phillips, app. 3 cl., in solitary confinement on bread and water in accordance with punishment awarded. At 9:30 went to quarters for inspection, followed by battalion drill and dress parade. The Commdg. Officer awarded the following punishments: J. B. Phillips, app. 3 cl., 5 days solitary confinement on bread & water for persistent shirking and going below during his watch on deck. W. J. Winchester, app. 3 cl., and A. W. Schlimper, app. 3 cl., 4 hours extra duty for clothes in lucky bag. W. L. Scott, app. 3 cl., and D. J. Duckworth, app. 3 cl., 8 hrs. extra duty for chewing tobacco. H. D. Craft, app. 3 cl., 56 hours extra duty for persistent disobedience of orders. On course, W.N.W. 3/4 W. during watch, and under all sail except mainsail. At 11 set clock back 4 minutes.

J. Downey
Lieut. U.S.N.

meridian to 4 p.m.
Fair & warm. Gentle S.S.E. by breezes. Course W. N.W. 3/4 W., D.R.C., At 12:20 changed course to West, p. & c., and at 1:00 changed course to W. by N. All sail set. At 12:55 coupled up tube propeller, and at 1:00 started ahead with the engines at full speed. At 1:05 stopped the distiller. Exercised apprentices of watch on deck at learning the gear, and the watch below at knotting & splicing. At 3:30 took in and furled all sail. No. Steam 55 lbs, av. rev. 37.

C. M. Fahs
Lieut. U.S.N.

4 to 6 p.m. Fair pleasant weather. Light airs from S.S.E. At 4:00 set main trysail. Mustered at quarters at 5:15, no absentees. The Chaplain read prayers at 5:45. At end of watch on course W. by N. Under main trysail & steam. No. rev. 34.4 Av. Steam pressure 55 lbs.

T. W. McBennett Ensign, U.S.N.

6 to 8 p.m.
Fair & pleasant. Light S.S.E. by E. to E.N.E. by breezes. Barometer steady. Maximum roll, 4°. At 7:45 p.m. went to general quarters, all divisions ready in 4½ minutes. Secured at 7:50. On course, W. by N. p. & c. Main trysail set. No. rev. 35, av. steam, 56 lbs.

Ralph Earle.
Ensign, U.S.N.

8 p.m. to midnight. Cloudy, with heavy dew. Bright moonlight. Light airs from E.N.E. & E.S.E. At 8 changed course to W. 1/2 N. p. & c. Under steam alone, two boilers, with main trysail set to give air to engine room. Av. rev. 34.5, av. steam, 55 lbs.

J. Downey
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt. Navigator.

LOG of the UNITED STATES *Training Ship Essex.* Rate,

Making passage from Guantanamo to Havana.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Mg. Strong Morning.	Lowest, easterly.	State of the Sea.
A. M.							P.S.											
1	5	7	26.8	NbyN	ESE.	1	0-3		30.17	81	80	77	79	OOW	A.S.		10	S
2	5	9	32.7	"	"	1	0-3		30.11	81	80	77	79	"	"		10	"
3	5	9	38.6	"	"	1	0-3		30.09	81	80	77	79	SEW	"		7	"
4	5	9	44.5	"	"	1	0-3		30.08	62	80	77	79	"	"		8	"
5	5	8	50.3	"	SSW	3	0-4		30.09	79	76	76	79	"	S-cu		6	"
6	5	6	55.9	NNW	"	2	0-3		30.12	82	79	77	79	be	"		6	"
7	5	3	61.2	"	"	1	0-2		30.15	83	80	78	79	"	"		6	"
8	6	0	67.2	"	"	1	0-2		30.18	87	86	82	80	"	"		7	"
9	5	2	72.6	NxW	"	1	0-2		30.18	87	86	82	80	"	"		7	"
10	5	2	77.6	NNW	"	1	0-2		3020	87	86	82	80	"	"		6	"
11	5	3	82.9	"	NNW	1	0-2		30.19	82	83	80	80	"	Cicu		8	"
Noon.	6	3	89.2	"	NNE	1	0-1		30.18	84	83	80	80	"	"		8	"

Position at 8 A. M. { Latitude by D. R. 21° 37' 00" N
Longitude by Obs. 84° 56' 00" W.

Rempt. of Mag. Fore 84-81 Aft. 80-80

Position at noon: { Latitude by observation 21° 54' 47" N
Longitude by observation 85° 03' 30" W
Latitude by D. R. 21° 53' 38" N
Longitude by D. R. 84° 52' 00" W.

Course made good since preceding noon: N 69° W.

Distance made good since preceding noon: 133 miles.

Distance by Log since preceding noon: 131.2 miles.

Current per hour: .5 miles, set N 64° W. true.

Position at 8 P. M. { Latitude by D.R. 22° 23' 36" N
Longitude by Obs. 85° 02' 02" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water " during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 1 tons, 920 lbs.

Coal remaining on hand at noon, 142 " 1330 "

P. M.							P.S.											
1	4	6	93.6	NNW	NNE	1	0-1		30.16	84	83	80	80	be	a.o.		7	S
2	4	9	98.7	"	NNE	1	0-2		30.14	85	84	79	80	"	"		7	"
3	5	3	104.0	North	NxE	1	0-2		30.14	84	82	79	80	"	"		7	"
4	5	3	109.3	"	"	2	0-2		30.12	83	81	78	80	"	"		6	"
5	4	6	113.9	"	NE	2	0-2		30.12	83	81	78	80	"	"		6	"
6	Nontreage way				"	2	0-2		30.14	81	80	77	80	"	cu		8	"
7	2	7	16.6	NE/2N	"	2	0-2		30.14	80	80	78	80	"	a.o.		9	"
8	4	6	21.2	"	NExE	2	2-2		30.18	80	81	75	80	oc	"		10	"
9	5	3	26.5	NExN	"	2	2-2		30.20	79	78	75	80	"	"		10	"
10	5	1	01.6	"	"	3	2-2		30.22	79	78	77	80	L	a.o		7	"
11	4	8	36.4	"	"	3	3-2		30.22	78	78	70	80	"	cu		6	"
Mid.	4	5	41.2	"	"	3	3-2		30.22	78	77	73	80	"	"		6	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, April 22d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Overcast to cloudy. Heavy dew. Light airs from E.S.E. Under steam alone. Course, W. by N., p.s.c. Steam, 62 lbs., rev. 38.5.

C. W. Fahs
Lieut. U.S.N.

4 to 8 a.m. Cloudy. Gentle breezes to light airs from S.S.W. At 5:15, hauled jib; hauled it down at 7:35. At 6:00 sighted barque on starboard beam. At 7:30 sighted steamer on port bow. At 5:45 changed course to N.N.W. p.s.c., pat. log 56.4. At end of watch on course, N.N.W. p.s.c., pat. log 67.7, under steam, with main trysail set. Av. rev. 35, av. steam pressure, 62 lbs.

W. M. Bennett Ensign, U.S.N.

8 a.m. to meridian. Cloudy & warm. Light variable airs. Mod. roll, 2°. At 8:15, log 68.7, changed course to N. by W., p.s.c., and at 9, changed to N.N.W., p.s.c., log 72.4. At 8:30 sighted Cape San Antonio, bearing N. 76 E. At 10:40, Cape San Antonio was abeam, distant 5.6 miles. Set clock back at 11:30, seven minutes. At 11:00 set jib and flying jib. Cleaning ship. Commanding Officer assigned the following punishments: W. P. Dooley & H. C. Anderson, apps. 3d cl. unsteady in ranks, 2 hrs extra duty; F. J. McAnulty, app. 3d cl., chewing tobacco, 8 hrs extra duty; A. Krebble, app. 3d cl. chewing tobacco and spitting on deck, 16 hrs extra duty; J. J. Devine, not clearing decks when ordered, 2d class, F. W. Gruis, app. 3d cl., asleep on life buoy, 4 hrs. extra duty. At end of watch on course, N.N.W. p.s.c., log 89.2, under steam and jib, flying jib, and main trysail. Av. steam, 50 lbs., av. rev. 34.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 p.m.
Cloudy & warm. Light airs from North to N.N.E. At 1:00 hauled down jib & flying jib. On course N.N.W. till 2, when changed course to Northard took in main trysail. At 3:00 passed a steamer about 3 miles off the starboard beam, standing to the S'd and E'd. Ran up our colors & hauled them down again at 7:30. Under steam alone, two boilers. Took sounding of from 1 to 2:30, every 15 minutes, but got no bottom at 100 fms. Steam, 55 lbs., rev. 33.

J. Towry
Lieut. U.S.N.

4 to 6 p.m. Cloudy & pleasant. Light N.E. by E. breeze. Course, North, p.s.c. Under steam alone. At 5:00, stopped the engines and set fore & aft sail save main topmast staysail. At 5:10 hauled down flying jib. Making no steerage way during the 2d hour. At 5:15, mustered at quarters. Steam, 40 lbs. rev. 31.4.

C. W. Fahs
Lieut. U.S.N.

6 to 8 p.m.
Cloudy. Light breezes from N.E. At 6:12, went ahead on engines on course N.E. by N., p.s.c., and took in fore and aft sail. At 7:30 sighted a steamer on starboard bow. At 7:00 steamer was abeam, and showed a red, white & blue flare up light; this was answered with a green Very star. At end of watch on courses, N.E. by N., p.s.c., under steam. Av. rev. 20, av. steam, 35.

W. M. Bennett Ensign, U.S.N.

8 p.m. to midnight.
Fair to cloudy & pleasant. Light to gentle N.E. & E. by S. breezes. Maximum roll, 2°. Moon light. At 9:30, changed course to N.E. by N., p.s.c., log 24. At 9:15 lighted fire under boilers A & B, for steaming purposes. Sent down light yards at 9:30. At end of watch, on course, N.E. by N., p.s.c., log 41.2, av. steam, 62, av. rev. 34.8.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lyon
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Enoch, Rate,

Making passage from Guantanamo, to Havana.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, part of Sk.	State of the Sea.
A. M.																		
1	5	0	462	NExN.	ENE	2			30.19	78	79	77	80	be	Cis.		4	3
2	7	3	535	NEbN.	"	2			30.18	78	79	77	80	"	"		6	"
3	7	5	61.0	"	"	2			30.18	78	79	77	80	"	"		6	"
4	7	6	686	"	"	2			30.16	79	79	76	80	"	"		6	"
5	7	4	758	"	ExN	3			30.18	79	77	76	80	"	"		6	"
6	4 2	6 4	806 828	ExN.	"	3			30.19	79	77	76	79	"	pcu		5	"
7	6	7	895	"	"	3			30.19	78	77	74	79	"	"		5	"
8	7	0	965	"	"	3			30.21	78	77	76	79	"	"		4	"
9	7	2	37	"	"	3			30.25	80	79	77	79	"	"		4	"
10	7	5	112	"	East	3			30.25	81	80	77	79	"	cu		4	"
11	7	4	186	"	ExN	3			30.25	80	83	78	79	"	"		2	"
Noon.	6	7	253	"	ENE	3			30.21	81	83	78	79	"	"		1	"

Position at 8 A. M. { Latitude by D.R. 23 °01'30" N. Temp. of Mag. Fm. Aft.
Longitude by obs. 84 °00'00" W. 83-81 80-80

Position at noon: { Latitude by observation 23 °06'44" N.
Longitude by observation 83 °23'00" W
Latitude by D. R. 23 °06'44" N
Longitude by D. R. 83 °27'00" W.

Course made good since preceding noon: various.

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 136.1 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by 23 °07'2" N
Longitude by 82 °37'6" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, 11 tons, 2160 lbs.

Coal remaining on hand at noon, 130 " 1410 "

P. M.																		
1	7	5	32.8	ENE EbN	NE	4	0-2		30.20	83	83	79	79	be	cu		3	3
2	7	4	402	"	"	4	0-2		30.19	82	82	79	79	"	"		4	"
3	7	3	47.5	"	"	4	0-3		30.19	81	82	79	79	"	"		4	"
4	7	2	547	"	"	5	0-4		30.19	81	81	79	79	"	"		5	"
5	6	6	61.3	"	"	5	0-4		30.19	79	78	77	79	"	"		5	"
6	6	3	67.6	"	"	5	0-4		30.18	78	77	75	79	"	"		6	"
7	5	5	73.1	ENE	"	5	0-4		30.20	77	76	73	79	"	fcu		6	"
8	2 3	0 5	752 781	" NExE	"	5	0-4		30.23	77	76	73	79	"	"		6	"
9	2	6	773	NExN	NExE	5	3-3	1/2	30.23	77	76	73	79	"	"		6	"
10	2	0	788	"	"	5	3-3	1/2	30.25	77	76	73	79	"	"		5	"
11	2	0	800	"	"	5	3-3	1/2	30.25	77	76	73	79	"	"		3	"
Mid.	2	0	81.1	"	"	5	3-3	1/2	30.25	77	76	73	79	"	cu 2		5	"

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday, April 23d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a/m.
Fair & pleasant. Light breeze from E.N.E. Bright moonlight. At 1 connected up boilers No 1 & 2 with the others, and went ahead full speed with engines at the same time, pat. log reading 46.2, changed course to N.E.½ N. Steam 60, rev. 46.½.

J. F. Lowry
Lieut. U.S.N.

4 to 8 a.m. Cloudy, to fair and pleasant. Gentle breeze from E.x.N. under steam alone. Course N.E.½ N, p.s.c. At 5:40 changed course to E.x.N, p.s.c., pat. log 50.½. Hr. steam, 60 revs. 48.

C. McFarlane Lieut. U.S.N.

8 a.m. to meridian.
Clear pleasant weather. Gentle breezes from East to E.N.E. Mustered at quarters at 9:30, 20 absentees. The Commdg. Officer assigned the following punishments at the mast. G. B. Pollard, app. 3d cl., 2 E.H. Knowles, app. 3d cl., not cleaning bright work, 4 hrs. extra duty; J. Lapenie, app. 3d cl., shirking, and refusing to scrub as ordered when ordered by the Coxswain of the gig, 2d class. E.H. Miller, app. 3d cl., chewing tobacco and spitting out of gun port, 12 hrs. extra duty. R. Bennett, app. 3d cl., gross profanity, 3 days solitary confinement on bread and water; destroying Government food, 5 days solitary confinement on bread and water. In accordance with the above punishment, R. Bennett, app. 3d cl., was placed in confinement. By direction of the Commdg. Officer, R. Dalzell, app. 3d cl., was released from confinement. At end of watch, in course, E.x.N, pat. log 25.3, under steam. Hr. steam, 2 revs. 64 lb., av. rev. 51.

J. M. McBurnie, Ensign, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Moderate to stiff N.E.ly breeze. Barometer fell slightly. Nav. roll, 4°. At 12.25, changed course to E.½ N, p.s.c., log 25.8. At 12:30 set fore & aft sail, except flying jib. Coast of Cuba in sight on starboard beam. At end of watch, under steam and fore & aft sail except flying jib, on course, E.½ N, p.s.c., log 54.7. Hr. steam, 60 lb., av. rev. 49.

Ralph Earle
Ensign, U.S.N.

4 to 6 p.m.
Cloudy, but pleasant. Stiff breeze from N.E. On course E.½ N during watch, and under steam, fore & main top mast staysails, and spanker. At 6, entrance to Mariel bearing abeam, changed course to E.N.E and took in fore & aft sail. Unbent main topmast staysail & sent it below.

J. F. Lowry
Lieut. U.S.N.

6 to 8 p.m.
Cloudy, and stiff N.E.ly breeze. Under steam alone. Course, E.N.E. p.s.c. At 7:40, changed course to N.E.x.E. At 7:00, steward to go to turns, let fires die out under one boiler [illegible] distilling. Hr. steam, 60 lbs. Av. revs. 45.

C. McFarlane Lieut. U.S.N.

8 p.m. to mid night. Clear pleasant weather. Fresh breeze from N.E.x.E. At 8:05, changed course to N.E.½ N, p.s.c. At 8:50, commenced distilling for ships use. At 9:20, slowed down to 25 turns. At 12:00, Morro light bore S. 88° E., ships on course, N.E.x.N, pat log. 51.1. Hr. steam, 42, av. rev. 26.

J. M. McBurnie, Ensign, U.S.N.

Received for six months acting appointment of Joseph Meagher, Gunner's Mate 1st Class
F. Courtis
COM'DR. U.S.N. COM'D'G.

Examined and found to be correct.

E. F. Leiper
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, universal.	State of the Sea.
A. M.																		
1	2	0	823	NE×N	ENE	3	3-2	1/2	30.22	77	71	79	79	be	cus		5	M
2	2	0	84.2	"	"	3	3-2	1/2	30.21	77	71	78	79	"	cu		5	"
3	2	0	86.1	"	East	3	3-2	1/2	30.20	77	71	78	79	"	"		1	"
4	2	0	88.1	"	"	3	3-2	1/2	30.19	77	72	79	79	"	"		2	"
5	0	8	88.9	"	"	3	2-2	1/2	30.21	79	73	79	79	"	"		3	"
6				SE	"	3	0-2		30.23	77	73	76	79	"	"		2	"
7	3	-		"	SE	3	0-2		30.22	79	75	78	79	"	"		3	"
8	5	0		SE½S	"	3	0-2		30.22	79	75	79	79	"	"		3	"
9				Various	"	2			30.22	84	78	78		"	"		4	
10				NE	NE	2			30.22	85	78	77		"	"		4	
11				"	"	2			30.22	85	79	76		"	"		4	
Noon.				"	"	3			30.22	85	79	75		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. For
Longitude by ° ′ ″ Aft.

Position at noon: { Latitude by observation ° ′ ″ 83-81
Longitude by observation ° ′ ″ 80-79
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 1250 "

Coal consumed during the preceding 24 hours, 8 tons, 2180 lbs.

Coal remaining on hand at noon, 171 " 1470 "

P. M.																		
1				NE	NE	3			30.22	83	83	77		be	cu		2	
2				"	"	3			30.22	84	83	77		"	"		1	
3				"	"	3			30.22	84	83	77		"	"		1	
4				"	"	3			30.22	84	83	76		"	"		1	
5				"	"	3			30.22	84	83	76		"	"		1	
6				"	"	2			30.22	79	79	79		"	"		1	
7				"	"	2			30.22	78	78	73		"	"		1	
8				"	"	2			30.22	78	77	73		"	"		1	
9				E×N	E×N	1			30.22	77	77	73		"	cu		1	
10				ESE	"	1			30.22	77	77	72		"	"		1	
11				SE×E	"	1			30.22	76	76	71		"	"		1	
Mid.				ESE	"	1			30.22	76	74	71		"	"		1	

4—25

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, April 24th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 9 until 4 a.m. Fair & pleasant. Stiff to gentle E.N.E. by to E'ly breezes. Barometer falling. Maximum roll, 30. Moon light. Steaming slowly on course, N 6 x N. P. as ordered with main trysail set from 12:30, Havana light bearing S.E. ½ E, at 4 distant about eight miles. Ave. steam, 45 lbs., Ave revolutions, 21.

Ralph Earle
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breezes from East. At 4:20, Havana light bore S.E., stopped engines, hauled in patent log, and hauled out spanker. Moon set at 4:40. At 5:40, started ahead with engines, on course S.E., and at 7 changed course to S.E. ½ S. Took in fore & aft sail, crossed t'gallant yards, and made preparations for entering port. At 7:00, o'clock ahead 7 min. Steam, 52 lbs., rev. 28. Stopped distilling at 7:10

J. F. Lowry
Lieut. U.S.N.

8 a.m. to meridian. Fair & pleasant. Light N.E'ly breeze. Steaming for Havana entrance, N course S.E. ½ S. Took pilot on board outside, and came in and made fast to a buoy off the Machina. Fired a salute of 11 guns to the Comdr in Chief, Commodore B.J. Cromwell, U.S.N., which was returned by 7 guns from the Resolute. On entering made our number to the Resolute, which replied. Requested and received permission to make fast to buoy. Ships draught, 14 ft. forward, 17 ft aft. J. Fitzgerald, coxn, reported the expiration of his enlistment. Let fires die out in all boilers save one, which was reserved for distilling. Commenced distilling at 10:00. The Comdr called officially on the Comdr. in Chief in shore, and on the Commanding officer of the Resolute. Sent a boat ashore, and brought on board 5 bags of mail. At noon the Resolute broke the flag of Rear Admiral B.J. Cromwell, U.S.N. and fired a salute of 13 guns. We fired also a salute of 13 guns at noon. The Battery on shore also saluted at noon with 13 guns.

C. W. Jahn
Lieut. U.S.N.

meridian to 4 p.m. Clear & pleasant. Gentle breezes from N.E. At 1:15, the mail steamer "Alacante" left for Port. The Commanding officer of the Resolute returned the call of the Comdg. Officer of this vessel. Chuck on main mast cabled by falling of trysail gaff, due to mast whip, cable pulled out. At 1:00, charged fires from boiler A to boiler B. At 1:00 made signal, inter. 8 & 9, "Resolute" answered by affirmative.

F. M. Bennett Ensign, U.S.N.

4 to 8 p.m. Fair & pleasant. Gentle N'ly breeze. Called "All hands to muster" and published note of services by the Judge Advocate General of the Navy, approved by the Sec't., of the loss of 1 mos. pay, in accordance with U.S.N. sections of each of the following named men, the amt of such loss accompanying each name: Pat. Connaughton, fireman 2d cl., 36 cts., Charles Knight Coleman, C.M.A. ½ cts., and Michael J. McCarrick, S.C.A. cl., 30 cts. Delivered to Charles Wheeler, Ch. Yeo., a good conduct badge, and to R.M. Kelly, B.M. 2d cl., a permanent appointment as such. The Commander detached R.M. Kelly, B.M. 2d cl., to be a B.M. 1st cl., to date this day. The U.S. Army Medical Dept. Hospital steamer "Missouri" came in.

C. W. Jahn
Lieut. U.S.N.

8 p.m. to midnight. Clear & pleasant, light airs from E & N. Signals during watch as follows: 8:30, Ensign to Resolute, "do you distil water for drinking; if so, what water do you use?" 8:35, "Flag to Ensign." "Yes. Get shore water for steaming and distil for drink and cooking, the price of shore water is 10 cts per 100 gals." 8:45, Ensign to Flag, "How do you feed water to your evaporator" 8:55, "Flag to Ensign," With steam forced from shore water." 9:10, Ensign to Flag, "How do you get shore water into your evaporator." 9:15, "Flag to Ensign". "Will pump shore water from boiler into evaporator." 9:18 "Flag to Ensign," "Will pump shore water from boiler into evaporator"

F. M. Bennett Ensign, U.S.N.

Examined and found to be correct.

F. F. Lafler.
Lieut. Comdr, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

At anchor, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Mooring form.	CLOUDS. Amount, estimated.	State of the Sea.
A. M.																		
1				S.S.E.	Calm	0			30.22	77	76	73		bc	cir		1	
2				"	"	0			30.22	77	76	73		"	"		1	
3				S.S.W.	"	0			30.22	77	76	73		"	cicu		2	
4				"	S.S.W.	1			30.22	76	75	73		"	"		2	
5				"	Calm	0			30.24	75	75	73		"	"		2	
6				"	"	0			30.26	72	70	68		"	"		2	
7				"	"	0			30.28	76	72	70		"	"		1	
8				"	"	0			30.29	77	74	76		"	cu		3	
9				N.E.	NNE	2			30.29	77	76	76		"	"		3	
10				"	"	2			30.29	82	80	75		"	"		5	
11				"	"	2			30.29	84	83	78		"	"		4	
Noon.				North	"	2			30.30	84	82	77		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. For Aft.
Longitude by ° ′ ″ 83-80 79-79

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1750 lbs.

Coal remaining on hand at noon, 180 " 1960 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Mooring form.	CLOUDS. Amount, estimated.	State of the Sea.
P. M.																		
1				N x E	NNE	3			30.27	84	83	77		bc	cu		3	
2				"	"	3			30.23	82	83	78		"	"		2	
3				"	"	3			30.20	82	83	77		"	"		2	
4				"	"	3			30.20	82	83	77		"	"		2	
5				"	"	3			30.20	81	82	76		"	"		2	
6				"	"	3			30.20	80	79	75		"	"		1	
7				N by N	N by N	1			30.20	78	78	74		"	Scu		1	
8				"	"	1			30.25	78	77	74		"	"		1	
9				East	E S E	1			30.25	78	76	73		"	"		1	
10				"	"	1			30.25	77	76	73		"	"		1	
11				"	"	1			30.25	77	76	73		"	"		1	
Mid.				"	"	1			30.25	77	76	73		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, April 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Calm first three hours, light S. S.W. by airs last hours. Moon light. Barometer steady. Ward Line steamer Seneca having grounded attempting to leave harbor, was pulled off by two tugs and left at 3:30.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant, calm. At 7:00 the "Resolute" made uniform signals. Deck in Day Light for the crew. Fresh provisions as follows: 150 lbs. of bread, 192½ lbs. of beef, and 192½ lbs. vegetables. A water lighter came alongside.

C. McGahs
Lieut. U.S.N.

8 am to meridian
Clear & pleasant. Light breezes from NNE. At 9:30, mustered at quarters, no absentees, exercised at routine drills by order of the Commdg. Officer, released A. Norbert, ab'sd, his term of confinement having expired.

W.M. Bennett, Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle NNE by breeze. Barometer falling. 3d period drilled at prentice at gunnery, knotting & splicing & signals. Distilling fr. ship's use. fresh water from lighter alongside. Lifted tail of 4" RT Gun off of pedestal, and overhauled bearings. Signals, at 1:00, Escort to Resolute, inter. 93, at 1:05, Resolute to Essex, affirmative.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle breezes to light airs from NNE and NE by N. Moon rose at 6:40. At 7:00 the chaplain read off orders.

W.M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light ESE by airs. Barometer steady. Moon light. Distilling from water lighter.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lapsley
Lt. Navigator.

LOG of the UNITED STATES *Training Ship Essex* Rate,

Harbor, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Dry Air Ther.	Air Wet Ther.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, eighths.	State of the Sea.
A. M.																		
1				S.E.	Calm	0			30.25	74	73	74		bc	cu		2	
2				S.S.E	"	0			30.23	74	72	71		"	"		2	
3				South	"	0			30.21	74	71	70		"	"		1	
4				S.E	"	0			30.21	72	71	70		"	"		2	
5				E.N.E	"	0			30.22	74	70	69		"	"		2	
6				"	"	0			30.24	75	72	70		"	"		3	
7				"	"	0			30.25	74	74	72		"	"		3	
8				"	"	0			30.26	79	78	76		"	"		3	
9				N.N.E	N.N.E	1			30.27	81	80	76		"	"		4	
10				"	"	1			30.29	82	82	76		"	"		4	
11				North	North	1			30.30	85	83	76		"	Few		3	
Noon.				"	"	1			30.30	85	83	78		"	"		2	

Temp. of Mag. For. Aft.
82-80 79-78

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 850 gallons.

Water distilled during the preceding 24 hours, 2250 "

Water remaining on hand fit for use at noon, 3900 "

Coal consumed during the preceding 24 hours, 1 tons, 710 lbs.

Coal remaining on hand at noon, 119 " 1250 "

P. M.																		
1				N × W	North	1			30.30	85	83	78		bc	Few		2	
2				"	"	1			30.23	85	84	73		"	"		2	
3				"	"	3			30.23	87	82	73		"	"		2	
4				"	"	3			30.23	87	83	73		"	"		2	
5				North	"	3			30.18	85	80	75		"	"		3	
6				"	"	1			30.18	84	80	75		"	"		2	
7				"	"	1			30.20	79	76	76		"	"		1	
8				N.N.E	"	1			30.20	78	76	74		"	"		2	
9				North	"	1			30.20	76	75	74		"	"		1	
10				N.N.W.	"	1			30.21	76	75	74		"	"		1	
11				"	"	1			30.21	76	75	72		bc	none		0	
Mid.				"	"	1			30.21	76	75	72		"	—		0	

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, April 26th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Calm. Bright moonlight.

J. J. Blue
Lieut. U.S.N.

4 to 8 a.m. Clear & pleasant. Calms. At 6:00, the steamer "Seguranca" and "Olivette" came into port. At 7:30 the "Resolute" made signal 735. Rec'd. in pay dept., fresh provisions as follows; 150 lbs of bread, 192½ lbs of meat, 192½ lbs. of vegetables.

F. M. Bennett Ensign, U.S.N.

8 am to meridian.
Clear to fair and pleasant. Light N.W'ly and North'ly breezes. Barometer rising. At 9:30, mustered at quarters, no absentees. Held routine divisional drills. By order of Comm'dg Officer, released J.A. Phelps apt 3d cl. from confinement, fisterm having expired, and assigned the following punishments: C.F. Cook, and F.J. Wiling, apps. 3d class, not cleaning bright work on boat & work extra duty; J.J. Moran, and G. Kirchner, apps 3d, talking in ranks, 4 hours extra duty. W.D. Sargeaunt, apt 3d cl, not going to station to furl awnings, and disorderly at mess formation, 8 hrs extra duty. F.H. Stromberg, and E.W. Smith, apps. 3d, not going to station to furl awnings 4 hrs extra duty. R. Dalzell apt. 3d cl, possession only out of mess fork, 4 hrs extra duty. E.B. Child, apt 3 cl, scrubbing clothes on deck 4 hrs extra duty. J.F. Campbell, P.W. Hanner, and E.J. Roy, apps 3d, annoying the Quartermaster on watch, 4 hrs. extra duty. Stopped distiller at 8:15. Took in 5300 gallons of fresh water for boilers from lighter.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & warm. Light breeze from North. At 1:30 started distilling. The steamer Olivette left the harbor, and the steamer City of Washington came in & made fast to the buoy. Sent down topgallant yards, bent light sail, and crossed light yards. Secured boats, and made other preparations for sea. Stopped distilling at 2:30 U.S. Army Hospital steamer Missouri left the harbor. Stopped taken fresh water, having taken in all, 11,000 gallons of water from lighter. Made following interrogator signal to flag Lb, 513 9 5265. Overhauled all 4" guys on the slides.

J. J. Blue
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle to light N'ly breezes and airs. Barometer rising. Moon rose at 7:35.
Chaplain held evening Prayers. Overhauled wheel ropes.

Ralph Earle,
Ensign, U.S.N.

8 pm to midnight.
Clear & pleasant. Light airs & breezes from North. Bright moonlight.

J. J. Blue
Lieut. U.S.N.

Examined and found to be correct.

E. F. Qualtrough
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex, Rate,

at Anchor, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eastern'n.	State of the Sea.
A. M.																		
1				S.W.	Calm	0			30.21	76	70	67		be	cu		3	
2				"	"	0			30.21	75	69	65		"	"		5	
3				"	"	0			30.21	75	68	65		"	"		7	
4				South	"	0			30.21	73	68	65		"	"		7	
5				"	"	0			30.22	73	69	67		"	"		4	
6				"	"	0			30.23	71	69	64		"	"		6	
7				SE	South	1			30.24	74	72	70		"	"		4	
8				NNW	NNW	2			30.26	76	73	70		"	"		4	
9			88.9	NExN	"	2			30.20	78	77	74		"	"		3	
10	4	4	93.3	"	"	2	0-2		30.17	82	79	76		"	"		3	S
11	7	7	1,0	"	"	3	0-4		30.17	84	80	76	78	"	"		3	"
Noon.	4	2	5.2	"	"	3	0-4	1/4	30.14	84	80	76	78	"	"		4	"

Position at 8 A. M. { Latitude by ° ' " Tenth of Mag. Log
Longitude by ° ' " Fore Aft.

Position at noon: { Latitude by observation 23°19'33"N 82-80 79-78
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. 82°10'30"W

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 163 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by Obs. "Polaris" 23°26'36"N
Longitude by Obs. "Jupiter" 81°23'12"W

Variation of compass: 5.37 P.M. Sh. NE. 3° Ely

Error of compass observed at 5:37 P.M. Sh. NE. 6°3' Ely

Deviation of compass on " " " " 5°3' "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 2 tons, 1770 lbs.

Coal remaining on hand at noon, 116 " 1720 "

P. M.																		
1	3	7	8.9	NExN	NW<W	3	0-4	1	30.17	82	80	76	78	be	cu		3	S
2	1 2	2 6	10.1 12.7	NE	"	3	0-5	1/4	30.11	81	80	76	78	"	"		3	"
3	3	7	16.4	"	NW	3	0-5	1/4	30.08	80	80	76	78	"	Pcu		3	"
4	3	9	20.3	"	"	3	0-5	1/4	30.07	80	80	75	78	"	"		3	"
5	4	8	25.1	"	"	3	0-5	1/4	30.07	80	80	75	78	"	"		3	"
6	4	6	29.7	"	"	3	0-5	1/4	30.08	80	79	75	78	"	"		3	"
7	5	9	35.6	"	"	5	0-10	1/4	30.10	80	78	74	77	"	"		2	"
8	6	8	41.4	"	"	5	0-10	1/4	30.10	78	76	74	77	"	"		3	"
9	6	6	47.0	NExN	"	5	0-10	1/2	30.10	75	77	73	78	be	more		0	"
10	5	9	52.9	"	"	4	0-8	1/4	30.10	76	77	73	78	"	"		0	"
11	6	0	60.9	"	"	5	0-10	1/4	30.10	74	76	73	78	"	"		0	"
Mid.	5	1	66.0	"	"	5	0-10	1/4	30.10	74	76	73	78	"	"		0	"

4-45

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, April 27th, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair to cloudy. Cool & calm

C. W. Fahs
Lieut. U.S.N.

4 to 8 am.
Cloudy to fair & pleasant. Calms and light N'ly and N.W.'ly airs & breezes. Barometer rising. At 4 started fires under boilers A & C for steaming purposes. At 7:30, "Reveille" made uniform and tone signal.

Ralph Earle,
Ensign, U.S.N.

8 am to meridian
Fair to clear & very pleasant. Light breeze from N.W.W. At 9, slipped buoy and stood out, stopping at 9:17 ~~out~~ side the harbor to discharge pilot. At 9:20 went ahead with engines and set over ~~set~~ log reading 88.9. Set course N.E.x.N, and set for & sail. Draft of ship, forward 14', aft, 14'. At 11:15 made all sail to royals, except mainsail, and at 11:22 stopped engines and uncoupled propeller. Banked fires. Steam, 65 lbs, rev. 43.

J. Towry
Lieut. U.S.N.

meridian to 4 pm.
Fair & warm. Gentle breeze from N.N.E. to N.W. Course N.E.x.N. p.s.c. At 1, ~~at~~ changed course to N.E. ~~4~~ s.c. All sail set save mainsail. Exercised apprentices of watch on deck at ~~learning the gear, and also~~ ~~practice~~ learning the gear, and also ~~below~~ at knotting & splicing.

C. W. Fahs
Lieut. U.S.N.

4 to 6 p.m.
Fair & pleasant weather. Gentle breeze from N.W. At 5:15 mustered at quarters, no absentees, divided divisions & ~~at~~ setting up. At 5:45 the chaplain read prayers. At end of watch on course, N.E. Lat. log 297. Ship under all sail but mainsail. Maximum roll, 5°.

J. McKinnell, Ensign, U.S.N.

6 to 8 p.m.
Clear & pleasant. Moderate to ~~stiff~~ fresh N.W.'ly breezes. Barometer rising. On course N.E. p.s.c. under same sail as previous watch. Max. roll, 10°.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Moderate breeze from N.W. Moon rose at 8:30. On course N.E.x.N, and under all sail except mainsail. At 11:30 hauled down flying jib.

J. Towry
Lieut. U.S.N.

Examined and found to be correct.

E. F. Dalton
Lieutenant U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making Passage from Havana, Cuba, to Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Movmt.	Amount, eastwrds.	State of the Sea.
A. M.							P.S.											
1	4	8	70.8	N6xN	NW	5	0-10		30.10	76	76	73	78	b	None		0	S
2	5	2	76.0	"	NWxN	5	0-10		30.19	76	76	73	76	"	"		0	"
3	4	7	80.7	ENE½E	NE	5	10-0		30.18	76	76	73	78	"	"		0	M
4	3	0	84.0	NWxN	"	5	5-0		30.18	76	76	73	76	"	"		0	"
5	5	1	89.1	N6xN	NxE	4	0-2		30.17	76	76	75	78	bc	cir.		2	"
6	4	8	94.9	"	"	5	0-3		30.07	78	77	75	78	"	"		1	"
7	5	1	100.0	"	North	5	0-3		30.07	75	74	73	76	b	none		0	"
8	5	7	5.7	"	"	5	0-3		30.07	77	75	73	78	bc	F.cu.		4	"
9	6	2	11.9	NxE	"	5	-		30.09	77	76	73	78	"	cu		5	"
10	5	5	17.4	North	"	5	-		30.10	77	78	74	78	"	"		5	"
11	4	1	21.5	"	"	5	-		30.10	77	78	74	78	"	"		5	"
Noon.	5	5	27.0	"	"	5	-		30.10	80	80	76	78	"	"		5	"

Position at 8 A. M. { Latitude by D. R. 24 °17'30" N Temp. of Sea
Longitude by Obs. 80 °09'00" W. Fore 81-80 Aft 78 78

Position at noon: { Latitude by observation 24 °56'19" N
Longitude by observation 80 °00'00" W
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: N51°E.

Distance made good since preceding noon: 156 miles.

Distance by Log since preceding noon: 120.8 miles.

Current per hour: miles, set variable ~~true~~.

Position at 8 P. M. { Latitude by Obs. 25°31'20" N.
Longitude by " 79°56' 0" W.

Variation of compass: 8:11, a.m. S.H. N6xN 3°00' Ely

Error of compass observed at " " " " 6°32' Ely

Deviation of compass on " " " " 3°32' Ely

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1950 "

Coal consumed during the preceding 24 hours, 4 tons, 1040 lbs.

Coal remaining on hand at noon, 112 " 680 "

P. M.							P.S.											
1	5	0	33.0	North	North	5			30.10	79	79	75	76	bc	cu		3	M
2	4	9	38.9	"	"	5			30.10	77	77	73	78	bcp.	cu-n		6	"
3	4	9	43.8	"	NxE	6	3-0		30.10	81	77	73	78	bc	"		5	"
4	4	3	48.1	"	"	5	3-0		30.09	80	77	73	78	"	"		5	"
5	3	5	51.6	"	"	5	3-0		30.10	80	78	73	78	"	"		2	"
6	3	0	54.6	N½E.	"	5			30.10	78	79	74	78	"	"		3	"
7	2	7	57.3	"	"	5	3-3		30.10	78	78	73	78	"	"		4	"
8	1	7	59.0	"	"	5	3-3		30.11	77	78	73	78	bcp	cu-n		6	"
9	1	8	60.8	"	"	5	3-2		30.11	76	77	73	78	"	"		6	"
10	2	3	63.1	NxE	NNE.	5	3-2		30.14	76	75	72	78	"	"		7	"
11	3	0	66.0	"	"	5	3-2		30.14	76	75	72	78	"	"		7	"
Mid.	2	2	68.3	"	"	5	3-2		30.15	77	76	72	78	bc	cu		5	"

4—8 6

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, April 28th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m. Fair & pleasant. Stiff breeze from N.W., shifting at 2:45 to NE. Course N6 × N. p.s.c. all sail set. From 2:40 to 3:00, steering ship. Then hauled by the wind, on course NW × N. p.s.c. Took in and furled all sail, and started steaming at 3:45, on course NW × N; at 4:00, changed course to N6 × N, p.s.c., Lat log. 84.0

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Moderate to stiff breezes from N × E and North. Barometer steady. At 4:10, Lat. log, 84.8, North Elbow Cay light bore SE Cabras p.s.c. At 5:10 set jib, at 5:35, set for topmast staysail, main try sail, and spanker. At end of watch, on course N6 × N, Lat log, 57, and set steam, and jib, for topmast staysail, main try sail & spanker, mast. lee roll, 5°. Av. steam pressure, 62 lb. Rev. rdr. 42.5.

I. M. Bennett Ensign. U.S.N.

8 a.m. to meridian
Cloudy & pleasant. Stiff N'ly breeze. Barometer nearly steady. At 9:00, log, 11.2, changed course to N3/4 E, p.s.c., and at 9:10, log 12.8, changed to North, p.s.c. At 8, set main topmast staysail. At 8:50, took in all sail. At 9:45, sent down light yards. At 9:30, went to quarters. At 10:00 ceased all divisions at divisional drills. At 11, set clock ahead, 12 minutes. Tested magazine flood cocks, and found them in good condition. By order of Comdg. Officer, released R. Bennett, appr'd., from confinement, his term having expired, placed E. R. Melek, appr'd., for persistent skulking, in addition to confinement for five days on bread and water, and assigned the following punishments: G. Grimes, app. 3d class, 8 hrs extra duty, G. H. Rowe, E. R. Melek, J. M. Bradley, and J. H. England, appr's 3d cl., smoking, 8 hrs extra duty. Ship pitching easily. Av. steam, 55 lb., av. rev 43.

Jacob Cares,
Ensign, U.S.N.

meridian to 4 p.m.
Fair & pleasant, with occasional rain showers. Stiff breeze from North, and N × E. Barometer steady. At 1:00, sighted Cay's fort light house, bearing N. 54° W. At 2:00 light was abeam, distant 13 miles. At 3:30 sighted Fowey, Light House, 3 points on Port bow. Pitching easily, at times heavily. Average steam pressure, 60 lbs., average revolutions 42.8.

W. Hurlbut
Ensign, U.S.N.

4 to 6 p.m. Fair & pleasant. Stiff breeze from N × E. Course North, p.s.c. At 4:00, reduced speed slightly to ease the ship. Pitching deeply at times, to moderate sea. Fowey rock light house, broad on the bow at 4:00, and abeam at 4:55, being then 7 miles distant. At 5:00 changed course to N × E. Av. steam 55 lbs., av. rev. 89.

C. M. Fahs
Lieut. U.S.N.

6 to 8 p.m. Fair first hour. Cloudy, with light rain squall last hour. Stiff breeze from N × E. At 7:30 1/2, sounded "Five Quarters", divisions reporting readily as follows: 1st. 7:35, 2d. 7:35, 3d. 7:35, 4th 7:37, Row 7:34, Navr. 7:34 1/2. Secured at 7:40. At end of watch, on course N1/2 E, Lat. log, 57.0. Under steam. Av. steam pres. 57 lbs., av. rev. 98.1 Vessel pitching violently.

I. M. Bennett, Ensign, U.S.N.

8 p.m. to midnight. Cloudy & pleasant, with passing showers. Stiff N to NNE'ly breezes. Barometer rising. Ship pitching easily, with roll of 30°. At 9:00, changed course to N × E, p.s.c., log, 61.1. Moon rose at 9:50. Av. steam pres. 53 lbs, av. rev. 84. At 8:30 started [illegible] for ship's use.

Jacob Cares
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leyhe
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Havana, Cuba, to Fort Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.							P. S.											
1	2	3	686	N x E	NE x N	5	3-7		30.14	76	76	72	78	bc	cu		3	m
2	2	8	71.4	"	"	4	3-3		30.14	77	76	72	78	"	"		4	"
3	3	5	749	"	N x E	4	3-3		30.13	78	76	72	78	"	"		3	"
4	3	5	784	"	NNE	4	3-4		30.13	79	76	71	78	"	"		3	"
5	3	4	81.8	North	N x E	4	2-7		30.14	78	76	71	78	"	"		4	"
6	4	4	86.7	N x E	NNE	4	1-7		30.14	76	75	71	78	"	"		4	"
7	4	9	91.1	"	N x E	4	1-7		30.16	76	74	72	78	"	"		6	"
8																		
9	4	9	96.0	"	"	4	1-7		30.18	77	75	73	78	"	"		4	"
10	3	7	99.7	"	"	4	1-7		30.18	78	76	75	78	"	"		4	"
11	3	7	2.9	"	"	4	1-7		30.19	79	77	75	78	"	"		3	"
Noon.	3	4	6.3	"	NNE	5	2-7		30.18	78	78	73	78	"	"		3	"
	3	9	10.2	"	"	5	2-7		30.18	78	78	73	77	"	"		4	"

Position at 8 A. M. { Latitude by D. R. Trip. Inter Pt. — 27° 5' 00" N — Temp. of Mag. For. 82-80 Aft. 79-78
Longitude by Obs. — 79° 39' 15" W

Position at noon: { Latitude by observation — 27° 34' 00" N
Longitude by observation — 79° 53' 00" W
Latitude by D. R. — 26° 18' 00" N
Longitude by D. R. — 79° 43' 00" W.

Course made good since preceding noon: N 9° E.

Distance made good since preceding noon: 161 miles.

Distance by Log since preceding noon: 82.7 miles.

Current per hour: 3.7 miles, set N 60 E true.

Position at 8 P. M. { Latitude by Obs. Polaris — 28° 25' 30" N
Longitude by obs. — 79° 45' 00" W.

Variation of compass: 8:35 a.m. SH. N x E. 1° 15' E'ly — 5:18 p.m. SH. N x W. 1° 00' E'ly.

Error of compass observed at " " " " 4° 35' " — " " " " 1° 50' "

Deviation of compass on " " " " 3° 20' " — " " " " 0° 50' "

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand at for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 9 tons, 1640 lbs.

Coal remaining on hand at noon, 102 " 1080 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.							P. S.											
1	2	5	12.7	N x E	NNE	5-6	2-3		30.18	81	80	75	77	bc	cu		2	m
2	2	8	15.5	"	"	5-6	3-3		30.17	81	81	76	77	"	"		4	"
3	3	6	19.3	N x W	"	6	5-3		30.37	81	81	76	77	"	"		4	"
4	4	5	23.8	"	"	6	10-3		30.23	78	79	76	77	"	"		4	"
5	4	5	28.3	"	"	6	11-3		30.23	78	79	76	77	bop	"		5	"
6	4	6	32.9	"	"	6	11-3		30.23	77	78	74	77	bc	cu		4	"
7	4	7	37.1	"	"	6	11-3		30.24	76	78	74	77	"	cu		5	"
8	4	5	41.6	"	"	6	11-3		30.25	74	78	74	77	"	"		4	"
9	4	7	45.8	"	NE x N	6	12-0		30.26	74	74	73	77	"	"		5	"
10	4	2	50.0	"	"	6	15-5		30.28	74	74	73	77	"	cun		6	"
11	4	3	54.3	"	"	6	15-5		30.28	74	74	73	76	"	"		5	"
Mid.	4	7	59.0	"	"	6	15-5		30.28	74	74	73	76	"	"		4	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, April 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Bright moonlight. Stiff to moderate breeze from N by E & N by E. Steaming on course N x E during watch. Rev. steam 57, av. rev. 531.

J T Drury
Lieut. U. S. N.

4 to 8 a.m.
Fair and pleasant. Moderate breeze from N x E & N NE. Under steam alone. Course N x E, p.s.c. At 4:45 changed course to North p.s.c., pat. log 80.8, and at 5:15. Changed course to N x E. p.s.c., pat. log 82.5. At 4:30 sighted Jupiter Dr let 2 points from top sail yard. At 5:15 it bore on fore beam, pat. log 82.5. Steam. 55 lbs., rev. 389.

C. W. Fahs
Lieut. U.S.N.

8 a.m. to meridian.
Clear pleasant weather. Moderate to stiff breezes from N x E & N NE. By order of Commdg. Officer, R. Bennett, app. 3d cl., was placed in Solitary Confinement for 5 days on bread & water for destroying government food. The Commdg. Officer assigned the following punishments at the mast: J. Walker app. 3d cl., and E E Eck, app. 3d cl., ordered below during watch on deck, 4th class. Wm. Shaw, app. 3d cl., not scrubbing clothes, & his extra duty. At 11:00 Head off course to N x W for five minutes to pass clear of an American schooner. Hoisted colors at 11:05. Hauled them down at 11:10. At end of watch on course N x E, pat. log 10.2. Av. steam, 52, rev. 359

F. M. Bennett, Ensign U.S.N.

meridian to 4 p.m. Fair & pleasant. Fresh NNE by breeze. Barometer rising. At 2:25 set jib, fore & main stay sail, try sail & spanker. At 2:55 set main t'gallant stay sail. At 3:00 lost sight of schooner on starboard quarter. At 2:25, changed course to N x W p.s.c. Ship pitching easily. Rev. 366 steam 52.

Ensign, U.S.N.

4 to 6 p.m.
Fair & very pleasant. Fresh breezes from NNE. Under steam & fore & aft sail except flying jib, and on course N x W during watch. At 5:15 went to quarters for inspection, steam 56 rev. 386.

J T Drury
Lieut. U.S.N.

6 to 8 p.m.
Fair & pleasant. Blowing fresh breeze from NNE. Course N x W p.s.c. All fore & aft sail set save flying jib. At 6:50 hauled down jib. Steam 58, rev. 385.

C. W. Fahs
Lt. U.S.N.

8 p.m. to midnight.
Partly cloudy. Fresh breezes from NE x N. Moderate sea. Moon rose at 10:50 Mob Lee roll 15°. Steamed under fore & main t'gallant stay sail, main try sail & spanker. At end of watch on course N x W. pat. log 99.0. Steam 50, rev. 96.8

F M Bennett Ensign, U.S.N.

Examined and found to be correct.

E. J. Lipps
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex, Rate,

Making passage from Havana, Cuba, to Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0 to 10	State of the Sea.
A. M.																		
1	4	7	637	N×W	N6×N	6	15-5		30.27	74	73	71	76	b-c	cum		6	R
2	5	1	68.8	"	"	6	15-4		30.27	74	73	71	76	"	"		6	"
3	5	3	74.1	"	"	6	15-4		30.26	73	72	69	76	"	"		6	"
4	5	3	79.4	"	"	6	15-6		30.25	74	70	68	75	b-c	"		7	"
5	5	4	84.8	"	NNE	5	14-5		30.25	72	70	69	74	b-c	"		4	"
6	1	7	86.5	N½W	"	5	15-7		30.25	74	70	69	74	"	"		4	"
7	5	0	95.0	"	"	5	15-7		30.25	73	70	66	73	b-c-q	"		5	"
8	5	1	100.1	"	N6×N	6	15-5		30.25	75	75	71	72	b-c	"		5	"
9	4	2	43	North	"	6	15-5		30.26	78	76	71	72	"	"		5	"
10	3	6	7.9	"	"	6	15-5		30.27	79	77	72	72	"	"		5	"
11	4	7	12.6	"	"	6	15-4		30.27	79	79	74	72	b-c	"		6	"
Noon.	5	1	17.7	"	"	5			30.29	79	80	74	72	"	"		6	"

Position at 8 A. M. { Latitude by obs. 29°35'00"N
Longitude by " 80°1'00"W

Position at noon: { Latitude by observation 29°59'00"N
Longitude by observation 80°1'00"W
Latitude by D. R. 29°21'00"N
Longitude by D. R. 79°50'00"W

Temp. of Mag. For. Att. 81-80 78-78

Course made good since preceding noon: N10°W

Distance made good since preceding noon: 143 miles.

Distance by Log since preceding noon: 111.5 miles.

Current per hour: 1.65 miles, set N 14°W true.

Position at 8 P. M. { Latitude by Polaris 30°40'33"N
Longitude by obs. 80°14'00"W

Variation of compass: 9:10 a.m. S.H. North, 1°00'E'ly

Error of compass observed at " " " " 3°33' "

Deviation of compass on " " " " 2°33' "

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 950 "

Water remaining on hand 8t for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 9 tons, 1840 lbs.

Coal remaining on hand at noon, 92 " 1480 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0 to 10	State of the Sea.
P. M.																		
1	4	9	22.6	North	N6	5	20-5		30.29	79	79	74	72	b-c-q	cum		5	R
2	4	8	27.4	"	"	5	20-5		30.29	79	79	74	72	b-c	"		2	"
3	5	2	32.6	"	"	5	25-15		30.29	78	76	72	72	b-c-q	"		2	M
4	5	2	37.8	"	NN6	5	25-15		30.31	78	76	72	72	"	"		2	"
5	3	5	41.3	N½W	North	6	25-20		30.31	77	76	72	72	"	"		2	R
6	3	0	44.3	N½W	"	6	25-20		30.32	77	76	72	74	"	"		7	"
7	3	2	47.5	N½E	"	6	30-20		30.33	74	74	72	74	"	"		7	"
8	3	5	51.0	North	"	6	30-20		30.29	74	74	73	74	"	"		7	"
9	3	2	54.2	N×E	NNE	6	25-20		30.29	72	71	70	74	b-c-q	"		7	"
10	3	4	57.6	"	"	6	20-5		30.28	73	71	70	74	b-c	"		4	"
11	2	8	60.4	"	NE	6	20-20		30.26	73	71	70	74	b-c	Few		2	"
Mid.	3	6	64.0	"	"	5	15-15		30.25	73	74	71	74	"	cu		3	M

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday, April 30th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy, with light showers last hour. Fresh NE & N'ly breezes. Barometer falling. Moonlight & ship pitching, with roll of 15°. On course, N × W. ½ W. p.c., under steam, and fore & main & of mast stay sails, main try sail & spanker. Ave steam, 58 lbs., ave rev 39. Stopped distilling at 12:40.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m. Fair & very pleasant. Fresh breeze from NE × N and NNE. On course N × W by 5:20, when course was changed to N ½ W, pat log reading 36.5. Passing rain squalls during 3d hour. Surface water falling in temperature. Under steam, and fore & aft sails & cap jib & flying jib. Steam 60.7, rev 40.7.

T. C. Drury
Lieut. U.S.N.

8 am to meridian. Generally fair & pleasant. Occasional very slight drizzle. Fresh breeze from NE × N. Course N ½ W, p.c. At 8:34 changed course to North, p.c., pat log 2.4. Steaming, with fore & main & of mast stay sail, main try sail & spanker set. At 9:30, inspected at quarters. After quarters, the Chaplain held divine service. E. E. Mus. B.M. 2d cl. reported the expiration of his enlistment. At 11:50, ran out 175 fm of wire from sounding machine, no bottom. Steam 52, rev 38.7.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m. Fair & pleasant. Passing rain squalls. Stiff breeze from NE to NNE. Barometer steady. Held Divine Service at 1:30. Course North, p.c. Steaming with same sail as in preceding watch. Ship rolling heavily at times. Max. roll, 25° to leeward. Average steam pressure 55 lbs., revolutions 39.2.

A. Theo. Wright
Ensign, U.S.N.

4 to 8 p.m. Cloudy, with heavy rain squalls. Fresh N'ly breezes. Barometer rising. Max. roll, 25°. At 4:35 took in all sail, the wind shifting ahead. At 5:30 took a sounding, 26 fms, grey sand. Bent the storm mizzen. Steaming into the sea, on courses N ½ W to N ¼ W. Ave steam 38 lbs, average revolutions 38.

Ralph Earle
Ensign, U.S.N.

8 to 8 p.m. Generally cloudy, with frequent rain squalls. Fresh breezes from North, & with occasional long swell from NNE. Barometer light & unsteady. Under steam alone, and on course North at end of watch. At 8 took cast with sounding machine, and found bottom in 21½ fms. Steam 57 lbs., rev 38.6.

T. C. Drury
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy, with frequent rain squalls first half, clearing latter half. Very fresh breeze from NNE to NE. Under steam alone. Course, NNW, p.s.c. At 8:30, changed course to NxE, p.s.c. Pat. log 52.6. At 10:00 sounded with the Thompson machine in 21½ fms., fine grey sand, and broken shells. At midnight, sounded again in 20½ fms., fine grey sand. Steam 54.7, rev 36.9

C. M. Fahs
Lieut. U.S.N.

Approved
Frank Courtis
Comdr. U. S. S. Cincinnati.

Examined and found to be correct.

E. F. Luiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex, **Rate,**

Making passage from Havana, Cuba, to Fort Royal, Mc.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion of Lower Clouds.	CLOUDS. Amount, tenths.	State of the Sea.
A. M.																		
1	3	4	67.4	N x E	NE	5	20-10		30.25	74	74	74	74	be	cus		6	N
2	4	6	72.0	"	ENE	5	20-10		30.23	74	74	74	74	bcp	"		6	"
3	5	5	77.5	"	"	5	15-10		30.23	74	74	74	74	"	"		5	"
4	5	8	83.3	"	NE x N	5	15-10		30.23	74	74	74	74	"	"		5	"
5	5	2	88.5	"	N x E	5	12-10		30.25	70	70	69	74	"	"		6	"
6	1	6	90.1	"														
	3	7	93.5	N x W ½ W	"	5	12-8		30.27	70	70	69	72	"	"		6	"
7	6	5	100.3	"	"	5	10-7		30.28	73	67	66	68	"	"		5	"
8	2	4	2.7															
	4	1	6.8	N N W	"	5	10-7		30.30	73	67	66	64	be	cu		4	"
9	1	7	8.5															
	6	1	13.6	N N W ½ W	"	N	10-7		30.30	73	68	66	63	"	"		2	"
10	8	7	23.7	"	"	N	10-7		30.30	69	71	67	64	"	"		2	"
11	8	0	29.7	"	"	N	10-7		30.30	71	71	67	64	"	"		2	"
Noon.	9	8	37.5	"	"	N	5-5		30.26	71	72	67	64	"	"		2	"

Position at 8 A. M. { Latitude by obs. Polaris from 4.30 a.m. 31° 37′ "N Temp Mag
Longitude by obs. 80° 14′ "W For Alt.

Position at noon: { Latitude by observation 31° 59′ "N 80.79 78-77
Longitude by observation from Martins Industry R. Ships bearing W½S. 80° 36′ "
Latitude by D. R. ° ′ "
Longitude by D. R. ° ′ "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 119.8 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ "
Longitude by ° ′ "

Variation of compass: 8:43 a.m. N N W ½ W, 30′ E'ly.
Error of compass observed at " " S.H. " 30′ "
Deviation of compass on " " " 1° W'ly.

Water expended during the preceding 24 hours, 550 gallons.
Water during the preceding 24 hours, "
Water remaining on hand fit for use at noon, 2250 "
Coal consumed during the preceding 24 hours, 11 tons, 2240 lbs.
Coal remaining on hand at noon, 81 " 1270 "

P. M.																	
	2	0	39.5	N x E	N x E	3											
1	1	4	40.9	N N E													
2	2	9	43.8	N x E	NE	3	5-5		30.26	74	69	68	64	be	cu	2	S
	6	4	50.2	Various	"	3	10.10		30.24	71	70	68	64	"	"	2	"
3				"	"	3			30.23	73	73	71		"	"	2	
4				"	E x N	3			30.23	73	74	71		"	"	3	
5				North	East	V			30.22	75	75	71		"	ci	3	
6				"	"	V			30.21	74	73	70		"	"	3	
7				NE	"	V			30.21	74	74	69		"	cu s	3	
8				SE x S	"	V			30.18	73	70	69		bew	"	2	
9				SE x E	"	V			30.18	73	69	69		"	"	2	
10				"	"	V			30.18	74	68	68		"	"	2	
11				"	"	1			30.18	74	67	67		"	"	2	
Mid.				"	"	1			30.18	71	67	66		"	"	2	

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, May 1st , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m. Cloudy, light passing showers. Stiff breeze from NE and E.NE. At 1:00 set jib, fore & main topmast staysails, main trysail & storm mizzen. At 2:00 got a cast with sounding machine in 21 fms., gray sand with shell. At 4:00 got a cast with sounding machine in 22 fms., gray sand, broken shells. At end of watch on course N x E, Bar. log 833, under jib, fore & main topmast staysails main trysail and storm mizzen. Ship rolling heavily, max. amount roll 20°. No. steam 575 lbs., av. rev. 391.

J. W. Bennett Ensign, U.S.N.

4 to 8 am
Cloudy to pleasant, with passing showers first 3 hours. Stiff N x E by breeze. Barometer rising. Max. roll, 14°. At 5:20 changed course to N x W½ W, p.s.c., log 90.1, and at 7:20 changed course to N.N.W. p.s.c., log 27. Took in all sail at 4:45, wind shifting ahead. At 5:30 set jib, fore & main topmast staysails, main trysail & storm mizzen. Started fires under boiler D at 5. Soundings: at 6 in 21 fms., gray sand, 8 in 16 fms., gray sand. Steam 587, av. rev. 41.4

Ralph Earle,
Ensign, U.S.N.

8 am to meridian
Clear & pleasant. Gentle to moderate breeze from N. NE. On course N.N.W½ W. till 11:55, when the light ship was sighted, three points on the starboard bow, and changed course to N½E. At 9:00 went to quarters for inspection, followed by routine drills. The Commdg. Officer awarded the following punishments: C. H. Mellen, app. 3d cl., 8 hrs extra duty for being asleep in berth of sail while mast head lookout. J. D. McLaughlin, app. 3d cl., 4 hrs extra duty, for being absent at mess formation. A. F. Sexton, app. 3d cl., 8 hrs extra duty for smoking; A. Talbot, app. 3d cl., 8 hrs extra duty for disobedience of order; A. Norbert, app. 3d cl., W. H. Kemp, app. 3d cl., and C. F. Coye, app. 3d cl., 4 hrs extra duty for not sleeping in their hammocks; F. J. Costello, app. 3d cl., using abusive & threatening language to a petty officer, 5 days solitary confinement on bread & water. J. L. Phillips, app. 3d cl., 1 week extra duty for contempt & inattention to duty. Took soundings hourly, in water from 16 to 9 fms. Took in all sail at 11:55. Steam 588 lbs.; rev. 47.

F. W. Lovett
Lieut. U.S.N.

meridian to 4 pm. Fair & pleasant. Gentle breeze from N x E & NE. Barometer steady. At 12:30, changed course to N 34 E, p.s.c., at 1:05 changed course to N x E¼ E, at 1:26 to N x E, and at 1:35 hove into channel leading to Port Royal, steering various courses, the Commdr. conning. Exchanged numbers with "Amphitrite", and asked permission to proceed, which was granted. At 2:05 anchored in fat. log reading 50.4. Sighted sail standing to South'ard. At end of watch standing up toward anchorage. U.S.S. Lancaster was aground off Bay Point. Steam 555 lbs., rev. 43.

Wilder Bellis
Ensign, U.S.N.

4 to 8 pm. Clear pleasant weather. Light to gentle breeze from E x N and East. At 4:00 called "all hands bring ship to anchor". At 4:19 anchored in 4¾ fms of water, moored to 15 fms. of chain, port anchor. Bearings of anchorage as follows: Front Beacon, Paris Island, S 15° W., rear beacon, Paris Island, S 47° W., Navy Yard flagstaff, N 40° W., ship's head, N 2° E., all bearings and headings, p.s.c. Draft of ship at anchorage, fwd 16'6", aft 16'8". At 4:30, made signal, Comet, 168, to Naval Station, which was answered. The Quarantine officer placed the ship in quarantine, owing to flood tide between 7:30 and 8:00. Commenced distilling for ship's use at 6:00.

J. W. Bennett. Ensign, U.S.N.

8 pm. to mid night.
Clear & pleasant. Light E'ly airs & breezes. Barometer steady.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor off U.S. Naval Station, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.																		
1				SSE	Calm	0			30.17	70	69	68		bcw	Ci		1	
2				North	East	1			30.16	70	68	68		"	"		2	
3				NxW	"	1			30.16	69	68	68		bw	Nm		6	
4				"	NE	1			30.16	69	68	68		bcw	Cicu		1	
5				"	"	1			30.18	69	68	68		"	Cio		1	
6				"	"	2			30.20	74	69	68		bc	"		1	
7				"	"	1			30.20	71	70	69		bc	Nm		0	
8				"	"	1			30.20	73	72	70		"	"		0	
9				SSE	ENE	1			30.21	78	79	74		bc	Ficu		1	
10				"	"	1			30.21	79	80	74		"	"		4	
11				"	East	1			30.21	79	80	74		"	"		4	
Noon.				"	"	1			30.20	79	79	73		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. For. Aft
Longitude by ° ′ ″ 80.78 77.76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 7800 "

Coal consumed during the preceding 24 hours, 3 tons, 1080 lbs.

Coal remaining on hand at noon, 78 " 190 "

P. M.																		
1				SSE	SxE	2			30.18	79	79	73		bc	cu		3	
2				"	"	2			30.16	79	79	73		"	"		2	
3				Swinging	"	1			30.15	79	78	72		"	"		2	
4				SxW.	"	1			30.15	79	78	72		"	"		2	
5				"	ESE	1			30.15	78	77	71		"	"		2	
6				"	"	1			30.14	75	75	71		"	"		1	
7				"	"	1			30.14	79	72	70		"	"		2	
8				"	"	1			30.11	72	71	70		"	"		1	
9				Swinging	"	1			30.11	73	70	68		"	"		2	
10				SxE	"	1			30.11	73	71	68		bcw	"		3	
11				"	"	1			30.11	72	71	68		"	Cis		3	
Mid.				"	"	1			30.11	71	71	67		"	"		9	

4—2.5

under the command of Commander Frank Courtis, , U. S. Navy,
Tuesday, May 22, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Calms, & light variable airs. Moon rose at 12:30. Ship swinging to ebb tide at 1:15.

J. F. Dorry
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Light airs & breezes from N.E. Heavy dew.

F. W. McBurnett. Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Light E. N.E. & Ely and E.S.E. airs. Swinging to flood from 8 to 8:30. A. Becker, cox., reported the expiration of his enlistment. The Commdg. Officer assigned the following punishments: O. Pingle, app. 3d cl., neglecting to stop up ham mock clothes, 5 hrs. extra duty; C. H. Allan, app. 3d cl., smoking 8 hrs extra duty. From 9:30 to 11, exercised at crossing light yards. At 11:00 loosed sail to buntlines, light yards crossed. Low water at 8.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Light breeze from S.E. At 1:30, called away all boats armed for distant service and exercised cutter under oars. Reported ready as follows: 1st cutter, 1:41, 2d cutter, 1:39 3/4, 1:09 1/2, 3d, 1:0 1/2, W.B. 1:34. At 3:30 furled sail, unbent foresail. High water at 2:40. On passing the arms out of boats, after boat dirk, one 6m Bn rifle, 1 cleaning brush, cord & weight, and 1 rifle sling were lost overboard by A. H. Bolster, app. 3d cl.

J. F. Dorry
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Light E.S.E. & Ely airs. Barometer falling. At 4:30 went to quarters & turned in scrubbed ham mocks. Health Officer came on board, and granted pratique. Hauled down quarantine flag at 4:45. Chaplain held evening prayers.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight
Clear, with heavy dew. Light airs from E.S.E. Low water at 8:30. Stopped distilling at 8:30.

J. F. Dorry
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leyden
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex, Rate,

at anchor off U.S. Naval Station, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sixteenths.	State of the Sea.
A. M.																		
1				S x E	Calm	0			30.11	71	70	69		bcw	Scu		1	
2				"	"	0			30.11	71	70	69		"	"		1	
3				"	"	0			30.11	71	69	69		"	"		1	
4				NNE	SSE	1			30.11	72	69	69		"	None		0	
5				"	"	1			30.11	73	69	68		bc	ci		3	
6				"	"	1			30.12	73	72	70		"	"		3	
7				"	"	1			30.12	73	72	70		"	"		3	
8				"	"	1			30.13	73	72	70		"	"		4	
9				"	West	1			30.14	75	73	71		"	Scu		4	
10				S x E	WNW	1			30.14	78	78	74		"	"		4	
11				"	"	1			30.14	78	78	75		"	"		4	
Noon.				South	"	1			30.14	80	81	76		"	ci		4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag.
Longitude by ° ′ ″ For. Aft.
80-78 77-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, tons, 1950 lbs.

Coal remaining on hand at noon, 77 " 480 "

P. M.																		
1				S x E	South	1			30.14	79	80	76		bc	Scu		3	
2				South	"	1			30.14	79	79	75		"	"		5	
3				"	"	3			30.12	78	80	75		"	"		6	
4				swinging	"	3			30.10	79	77	74		"	"		7	
5				"	"	3			30.06	79	75	78		"	"		6	
6				NNW	"	3			30.04	75	75	71		"	"		6	
7				"	SW	3			30.03	77	75	70		"	"		3	
8				"	"	3			30.04	77	75	71		"	"		3	
9				"	"	1			30.04	76	74	71		bcl	"		3	
10				SSW	"	1			30.05	76	73	70		"	"		3	
11				South	"	3			30.06	75	74	70		"	"		4	
Mid.				"	"	1			30.06	75	73	70		"	"		4	

under the command of Commander Frank Courtis, , U. S. Navy,
Wednesday, May 3d , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & cool. Heavy dew. Calm greater part. Light SSE'ly airs last hour. At 3:30 swung to ebb.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Light SSE'ly airs. Barometer rising. At 7:30 loosed sail to buntlines.

Ralph Earle.
Ensign, U.S.N.

8 am to meridian.
Fair & pleasant. Light airs from West & N.W.W. Low water at 8:30. At 9:30 went to quarters for inspection, followed by sail drill. The Commdg. Officer paid an official call on the Commandant of the Station. Released O.R. Welch, app. 3d cl., list term of enlistment having expired, and enlisted O.J. Costello, app. 3d cl., in accordance with furlough awarded. The Comdg. Officer awarded the following punishment: P.H. Roach, app. 3d cl., 16 hrs extra duty for smoking; J.B. Yates, app. 3d cl., 8 hrs extra duty, for swearing at Master-at-Arms; J.O. Calhcart, app. 3d cl., F.W. Hannon, app. 3d cl., and M.R. Nelson, app. 3d cl., 4 hrs extra duty for being out of uniform at sail drill. Exercised boys of the 1st division at heaving the lead.

T. F. Drury
Lieut. U.S.N.

meridian to 4 p.m.
Fair to cloudy. Light to gentle breezes from South. By order of the Commander, John Neri, Boatswain's mate 3d cl., was given an honorable discharge from the Naval Service of the U.S., list term of enlistment having expired, gave J. Fitzgerald, Cox., an honorable discharge, his enlistment having expired, also two acting appointments as coxswain. At 12:30 the Lancaster got underway and stood out. Exercised all boats, first under oars and then under sails. Engaged in grappling for a rifle lost overboard yesterday.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light to gentle breeze from South. A. Lindquist, B.M. 2d cl., reported the expiration of his term of enlistment.

T. F. Drury
Lieut. U.S.N.

8 pm to mid night
Fair & cool. Light SW'ly breeze. Swinging to flood from 9:30 to 10:10

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut., Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor off U.S. Naval Station, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Hael.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1				South	NE	2			30.06	73	73	74		bcw	a cu		4	
2				S.S.E	"	3			30.06	74	74	70		"	"		2	
3				"	"	3			30.06	74	74	70		"	"		3	
4				"	"	3			30.06	71	71	69		"	"		3	
5				N.	SE	3			30.08	73	71	69		bc	S		3	
6				"	"	3			30.16	74	70	69		"			3	
7				N x W	"	3			30.17	74	70	71		b	nm		10	
8				"	"	3			30.18	75	75	71		"	"		0	
9				swinging	"	3			30.18	77	75	74		b cl	a cu		1	
10				NE	East	3			30.18	76	77	74		"	"		3	
11				SE	"	6			30.19	76	77	74		"	"		5	
Noon.				"	"	6			30.19	76	75	74		"	"		6	

Position at 8 A. M. { Latitude by ° ' " Temp of Sea Aft.
Longitude by ° ' " 80-77 76-75

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 7750 "

Coal consumed during the preceding 24 hours, 1 tons, 1660 lbs.

Coal remaining on hand at noon, 75 " 1060 "

P. M.																		
1				S x S	E NE	6			30.20	76	75	74		bc	cu		5	
2				"	"	6			30.20	75	75	73		"	"		5	
3				"	"	6			30.20	74	75	73		"	"		5	
4				"	"	6			30.20	74	75	73		"	S. cu		5	
5				NE	E x N	5			30.21	71	68	66		"	a cu		6	
6				North	"	5			30.23	72	68	66		"	"		7	
7				"	"	4			30.26	70	67	65		"	a cu / p cu		8	
8				"	E NE	4			30.26	72	66	68		bcw	a cu		7	
9				"	"	3			30.26	70	66	68		"	"		7	
10				"	"	3			30.26	69	66	63		"	"		6	
11				NNE	NE	2			30.27	68	66	63		"	"		5	
Mid.				"	"	2			30.27	68	64	64		"	"		5	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, May 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences at midnight.
Clear & pleasant. Light to gentle NE'ly breeze. Barometer steady. Moon rose at 2:12. Flood tide.

W. H. Beehler
Ensign, U.S.N.

4 to 8 a.m.
Clear and pleasant. Gentle breeze from S.E. High water at 6:30.

T. Downey
Lieut. U.S.N.

8 a.m. to meridian.
Fair to cloudy. Pleasant. Gentle breeze from SE to East increasing latter part to very fresh breeze. At 9:50, commenced swinging to flood tide. By order of the Commander, released R. R. Bennett, app. 3d cl., from confinement and restored him to duty. At 10:30, veered on port chain 15 fms. more chain. Capt. C. C. Rockwell, U.S.A., Comdg. Naval Station, called officially. At 9:30 inspected at quarters. Exercised at Company Drill, and later, at Battalion drill. At 11:30, started fires in boilers. U.S.C. & D. By order of the Commdr. enlisted as a seaman, John Nevis holding C.S.C. # 7484. The Commdr. awarded the following punishments: W. Boomer, E. T. Hoff, apps. 1st cl., slow in obeying orders, 4 hrs. extra duty; G. Kirmse, G. H. Miller, A. Dalbo, H. L. Anderson, apps. 3d cl., all failing to man boat falls, 4 hrs. extra duty, each. D. Ashmead, H. H. Bolster, H. Bieber, J. J. Costello, J. R. Phillips, G. H. Miller, B. F. Pappe, apps. 3d cl., and J. Coveney, Ldg., all for disobedience of orders, 8 hrs extra duty each; O. E. Hurt, app. 3d cl., breaking a box lamp, 16 hrs. extra duty; D. Ashmead, and M. Sullivan, apps. 3d cl., for not clearing gun deck, when so ordered, 4 hrs extra duty, each; and J. C. Cowan, app. 3d cl., noisy on gun deck, 8 hrs extra duty. About 10:30, shipped anchor dragged.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Fresh breeze from E. & N.E. Barometer steady. At 2:20, hove up anchor, and changed berth. Port anchor came up foul, so let go starboard anchor and veered to 60 fms. on starboard chain. Bearings of new anchorage, Point Beacon, S. 19 1/2 W., Rear Beacon, S. 53 W., ships head, SE & S. All bearings per Standard compass. Cleared port anchor. Yard tug came down with mail. Flood tide. Steam launch made trips to Port Royal & Naval Station. Started distilling.

W. H. Beehler
Ensign, U.S.N.

4 to 8 p.m.
Cloudy & cool. Stiff to moderate breeze from E. & N. Swinging to ebb from 4:25 to 5:25. At sunset sent down top gallant & royal yards.

C. M. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Fair & pleasant. Gentle to light breeze from E. & N.E. & N.E. Barometer steady. Low water at 11:30.

W. H. Beehler
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lt.
Navigator.

LOG of the UNITED STATES *Training Ship Essex* 3d Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				S S E.	N E	3			30.26	70	66	65		o.c.r.l.	N		10	
2				"	"	3-5			30.25	70	65	65		"	"		10	
3				"	"	3			30.24	70	65	65		"	"		10	
4				"	E N E	3			30.24	70	66	66		"	"		10	
5				N E	North	3-4			30.27	70	66	66		o.c.r.l	"		10	
6				N x E	E x N	3			30.27	67	67	65		o.c.r.l	"		10	
7				South	North	1			30.25	69	66	66		be	ci s		7	
8				"	Variable	1			30.30	70	69	68		"	"		7	
9				"	East	2			30.30	70	68	68		o.r.c.	scu		10	
10				North	Calm	0			30.31	73	71	70		be	cu		7	
11				N x E	E x S.	1			30.30	73	73	71		"	"		8	
Noon.				South	South	1			30.31	73	75	73		"	"		5	

Position at 8 A. M. { Latitude by ° ' " Temp. of Sea / Mag. Dev. { Longitude by ° ' " 79.76 / 75.76

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, 1350 "

Water remaining on hand fit for use at noon, 3000 "

Coal consumed during the preceding 24 hours, 2 tons, 445 lbs.

Coal remaining on hand at noon, 78 " 615 "

P. M.																		
1				South	South	1			30.31	73	75	73		be	acu		5	
2				"	"	1			30.30	74	76	73		"	"		5	
3				"	"	1			30.29	74	76	73		"	"		5	
4				"	"	1			30.27	74	76	73		"	"		4	
5				S E	S E.	1			30.28	74	76	73		"	"		4	
6				"	"	1			30.28	74	76	73		"	"		5	
7				"	"	1			30.29	73	74	73		"	"		6	
8				"	"	1			30.29	72	71	71		bcwl	cu		4	
9				"	"	1			30.30	75	74	70		"	"		2	
10				E S E	E S E	1			30.33	74	70	70		"	"		1	
11				"	"	1			30.33	73	70	70		"	"		1	
Mid.				"	"	1			30.33	73	70	70		bwl	none		0	

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, May 5th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Overcast, cloudy, rainy in heavy showers, with thunder & lightening. Gentle to stiff breezes from NE & E NE. Distilling.

T M Bennett Ensign, U.S.N.

4 to 8 a.m.
Overcast & rainy, with lightning first half, clearing latter half. Variable gentle breezes & light airs. At 5:00 swung to ebb. At 7:50, crossed light yards. Distilling.

C M Fahs
Lieut U.S.N.

8 am to meridian.
Cloudy & pleasant. Calms & light variable airs. Barometer steady. At 9:18, called all hands clear ship for action" and at 9:54 went to general quarters, all divisions reporting ready in 4 minutes. Secured at 10:31. By order of the Commander J. Nevis, seaman, was this day given an acting appointment as Gunners Mate 3d cl. Swung to flood between 11 & 12 o'clock. "Securing from "clear ship" latter part of watch. Rec'd in Dept of S & A., 191/4 lbs each of fresh beef & vegetables, and 150 lbs of bread.

C M Fahs
Lieut, U.S.N.

meridian to 4 pm.
Cloudy, pleasant weather. Light airs from South. Cleaned bilges, inspected magazine floods & drains and found them in good condition. Got light yards in rigging and bent jib. Stopped distilling at 3:00. Loosed sail to dry.

T M Bennett Ensign, U.S.N.

4 to 8 pm.
Fair & pleasant. Light SE by airs. Barometer steady. High water at 5:30. Furled sail at 4:40. U.S.S. Lancaster came up and anchored off Naval Station. Exchanged numbers with "Lancaster".

C M Fahs
Lieut, U.S.N.

8 pm to midnight.
Clear, pleasant. Lightning to N. Light airs from SE & E SE. Heavy Dew.

T M Bennett Ensign, U.S.N.

Examined and found to be correct.

E. F. Logan.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

Anchor, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Hsel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, numerals.	State of the Sea.
A. M.																		
1				South	E. S. E.	1			30.33	74	69	69		Clear	cu		2	
2				"	East	1			30.33	74	69	69		"	"		2	
3				"	"	1			30.31	74	69	69		"	S. cu		3	
4				"	N E	2			30.30	74	69	69		"	cu		6	
5				S x E	East	0-1			30.30	71	69	69		Clear	cu		6	
6				"	"	1			30.30	70	70	69		"	"		5	
7				"	"	1			30.26	72	71	70		"	cu		4	
8				North	"	1			30.28	73	74	72		"	"		4	
9				"	Calm	0			30.28	75	75	73		"	"		4	
10				"	S E	1			30.29	76	75	73		"	"		5	
11				"	"	1			30.28	77	76	74		"	"		5	
Noon.				N x W.	South	1			30.29	79	77	74		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag
Longitude by ° ′ ″ For Aft
Position at noon: { Latitude by observation ° ′ ″ 80.75 75.74
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, tons, 1200 lbs.

Coal remaining on hand at noon, 72 " 1655 "

P. M.																		
1				South	South	1			30.26	76	78	76		Clear	cu		4	
2				S x E	S S E	2			30.24	76	79	76		"	cu		5	
3				"	"	2			30.32	76	78	75		"	cu		4	
4				"	"	2			30.28	76	77	74		"	"		5	
5				"	"	2			30.30	76	74	72		"	"		5	
6				"	"	2			30.30	75	73	74		"	"		5	
7				"	"	2			30.30	75	73	72		"	"		4	
8				N x W	"	2			30.30	74	73	72		"	"		7	
9				"	"	2			30.32	74	73	72		"	"		7	
10				"	S E	2			30.32	74	73	72		Clear	"		7	
11				"	"	2			30.32	74	73	72		"	"		3	
Mid.				"	"	3			30.30	74	73	72		"	S		5	

1-25

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, May 6th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Light variable airs & breezes. Barometer falling. Moon rose at 3:21. Turning to flood tide from 12 to 12:20. Low water at 12.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant. Light E'ly airs. Barometer rising. High water at 6:20. Navy Yard tug passed down river on way to Savannah.

Ensign, U.S.N.

8 a.m. to meridian
Fair pleasant weather. Calm & light airs from S.E. and South. The Commanding Officer visited the Commdg. Officer of the Lancaster officially. The Commdg. Officer designated the following punishment at the mast: Wm. Gibbs, D. Ashmead, R. Bennett, apps. 3d cl., 4 hrs extra duty for shirking; C. Eich, app. 3d cl., disobedience of orders, 4 hrs extra duty; J. P. Powers, app. 3d cl., failing to carry a message correctly, 4 hrs extra duty; J. Smith, app. 3d cl., failing to muster at anchor watch, 4 hrs extra duty. At 11:30, crossed topgallant yards.

Ensign, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Light S'ly & S.S.E'ly breezes. Barometer falling. Low water at 12:00. Ship swung to flood, 12 to 12:20. Rec'd in pay dept. from Gen'l Storekeeper, Port Royal, 559 lbs. of sugar. Commdg. Officer called officially on the Commdg. Officer of the U.S.S. Amphitrite. U.S.S. Amphitrite came in and anchored at 1:00 off Naval Station.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Fair pleasant weather. Light breezes from S.S.E. At 5:45 went to fire quarters, all divisions reporting ready in 2½ min. Secured at 5:50. At 6:15, U.S.S. Prairie came in and anchored off south end of Paris Isld. She made signal, Comet, 537, which was repeated to "Amphitrite". The "Amphitrite" made signal Comet, 114.

Ensign, U.S.N.

8 p.m. to meridian
Cloudy to pleasant, with much lightning to N.E. Light S.S.E'ly & S.E. by airs and breezes. Barometer fell slightly. Riding to ebb.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lemly.
Lieutenant. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,
Anchor, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry. Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, easterly.	State of the Sea.
A. M.																		
1				S x W	S.E.	4			30.28	75	74	74		bc	Cl.		4	
2				"	"	4			30.28	75	73	74		"	"		8	
3				South	"	3			30.26	75	73	74		"	"		3	
4				"	"	3			30.26	75	73	74		"	"		3	
5				"	"	2-4			30.28	74	73	74		"	a.s		5	
6				"	S.S.W	2-3			30.28	74	74	73		"	a.cu		7	
7				S.W x S	S.W x S	3			30.28	75	74	73		"	ci.cu		6	
8				N x W	"	3			30.26	75	74	73		"	"		6	
9				"	"	3			30.25	75	74	73		"	"		5	
10				"	"	2			30.24	73	80	75		"	"		4	
11				"	"	2			30.23	76	80	76		"	"		2	
Noon.				"	"	2			30.23	76	80	76		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Temp. of Bay
Longitude by ° ' " Fore 84
Position at noon: { Latitude by observation ° ' " 80-76 76-74
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2050 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 72 " 755 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry. Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, easterly.	State of the Sea.
P. M.																		
1				W.S.W.	S.S.W.	1			30.22	85	86	81		bc	a.cu		3	
2				South	"	1			30.20	85	86	81		"	"		3	
3				"	South	2			30.18	84	83	78		"	"		3	
4				"	"	2			30.16	82	81	77		"	"		8	
5				S x E	S x E	3			30.13	80	79	77		"	cu		4	
6				"	"	3			30.12	80	77	75		"	"		4	
7				South	South	3			30.10	79	76	75		"	cu		1	
8				S.S.W	S.S.W	3			30.10	79	76	74		"	cu		1	
9				N x W	South	3			30.14	78	76	74		"	"		2	
10				"	"	3			30.15	77	76	74		bcw	"		3	
11				"	S.W	3			30.15	77	74	74		"	"		2	
Mid.				N.N.W.	"	3			30.15	77	74	74		"	"		2	

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday May 7th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & til 4 a.m.
Clear & pleasant. Gentle to moderate breeze from S.E. Low water at 12:30.

F. Towry
Lieut. U.S.N.

4 to 8 a.m.
Fair pleasant weather. Light to moderate breezes from S.E., shifting to S.W. & S. At 6:30 the Norwegian Stmr. "King William" came in & steamed up to Port Royal. Recd on Dept of Supplies & Accounts, fresh provisions as follows: 150 lbs. of bread.

F. McBennett, Ensign, U.S.N.

8 am to meridian
Fair & pleasant. Gentle to light S.W. & Sly breezes. Barometer falling. At 9:15, divisional officers inspected divisions at quarters. At 9.30 held general muster, no absentees, and published the articles of war. The chaplain held divine service at 10:30. By order of the Comndg. Officer, placed M.C. Scott, appr. 3d cl., for persistent use of tobacco, in solitary confinement on bread and water for five days; and assigned following punishments: J. Talbot, appr. 3d, scrubbing clothes out of hours, 4 hrs. extra duty; C. Hollum, F. Howard, M. Sullivan, and P. Peters, appr. 3d cl., out of uniform at quarters, 4 hrs extra duty each.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & warm. Light airs & breezes from S.S.W. & South. By order of Comdg. Officer confined M. Sullivan, appr. 3d cl., on bread & water for five days, for not obeying orders, and threatening master-at-arms. At 2 the chaplain held divine service on board the Comndg. Officer of the Amphitrite, returned the visit of the Comdg officer of this vessel. Low water at 2:30.

F. Towry
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Gentle S. & E'ly to S.S.W'ly breezes. Barometer falling. High water at 7:30. Chaplain held evening prayers. Started to swing to ebb at 7:50.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight
Clear & pleasant. Light to gentle breeze from South & S.W. Heavy dew.

F. Towry
Lieut. U.S.N.

Examined and found to be correct.

C. F. Lippitt,
Lieutenant Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off U. S. Naval Station, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving.	Lowest, easterly.	State of the Sea.
A. M.																		
1	Swinging			N N W	S W	7			30.13	76	75	74		bclw	S		2	
2	"			S S W	"	7			30.11	76	74	73		"	scu		7	
3				South	"	3			30.09	76	74	73		"	"		7	
4				"	S W × W	3			30.08	76	75	73		bcl	S		4	
5				"	W.S.W.	3			30.10	75	73	71		bc	"		4	
6				"	"	7			30.12	75	74	72		"	cu s		4	
7				S × W	"	7			30.14	75	75	74		"	"		1	
8	Swinging			"	"	7			30.16	76	75	73		"	"		1	
9				N N W	"	7			30.14	77	79	74		"	"		1	
10				"	"	7			30.12	79	78	76		b	none		0	
11				"	W N W	3			30.12	80	84	78		bc	cu		2	
Noon.				"	"	4			30.12	81	85	78		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Temp of Mag.
Longitude by ° ' " Gov Aft

Position at noon: { Latitude by observation ° ' " 80-76 76-75
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, 1 tons, 1210 lbs.

Coal remaining on hand at noon, 70 " 1785 "

P. M.																		
1				N N W	W N W	4			30.11	82	86	75		bc	cu		2	
2				Swinging	West	5			30.09	84	87	77		"	"		3	
3				"	"	5			30.06	84	86	77		"	"		3	
4				S × E	"	4			30.05	84	86	77		"	"		3	
5				S S E	"	4			30.00	85	85	77		"	"		6	
6				"	"	3			30.00	84	84	77		"	"		5	
7				"	"	3			30.01	84	80	76		"	"		3	
8	Swinging			West	"	2			29.95	81	80	76		"	"		3	
9				N W × N	N W	2			30.00	80	78	74		bcwl	cu s		3	
10				"	"	2			30.00	81	78	74		"	"		2	
11				"	"	2			30.00	80	78	74		"	"		4	
Mid.				N W	West	2			30.03	79	76	75		"	"		3	

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, May 8th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair to cloudy. Cool. Light to gentle breeze from SW to S by W. At 1.50 commenced to swing to flood.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant. Gentle to light W.S.W. by breeze. Barometer rising. High water at 7.45. Started to swing to ebb at 8.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Light to moderate breezes from W.S.W. to W.N.W. Started fires under boilers 6 & 8 at 8. At 9.25 called all hands clear ship for action; at 9.08 lowered all boats, at 9.41 went to general quarters, divisions reporting ready as follows: 1st & powder, 9.43; 3d 9.43½; Navigator 9.44; 2d. 9.44½; 4th 9.46½. Secured from general quarters at 10.06. hoisted boats, sent up topgallant yards & masts, and put ship in order during forenoon. J.S. Murray, cox., reported his term of enlistment having expired. Released F.J. Costello, appointed, his term of confinement having expired.

F. F. Low
Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Moderate & stiff breezes from W.N.W. & West. Requested & received by signal, permission to get under way. At 1.58 got under way, and dropped down to the target range. Requested & received by signal, permission from the Prairie to anchor. At 3.27 anchored with port anchor in 6¾ fathoms, soft bottom and veered to 45 fm at waters edge. Went ahead with pistol target & practice with 2d division of apprentices. Put out sub-caliber target. Bearings at anchor. Front Beacon, Farallon Light, N 22° W. & R. Hor. stripe buoy on Mid Ground, N 67° W. S.H.S. 1906, all p.c.
Hauled fires under one boiler and commenced distilling with the other.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Fair to cloudy, and very warm. Light to moderate breeze from West. First & second divisions firing at target with pistols. High water at 7.15.

F. F. Low
Lieut. U.S.N.

8 p.m. to midnight.
Fair & pleasant. Light to breeze from West to N.W. Commenced swinging to ebb at 8 & finished at 8.20.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Lyon.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each in its.	State of the Sea.
A. M.																		
1				N.W.	West	4			30.07	78	75	74		bcw	cm		3	
2	Swinging			"	"	4			30.07	78	75	74		"	"		2	
3	Ebb & Flood			South	"	3			30.07	78	76	74		bc	ci		1	
4				SSE	WSW	3			30.00	76	75	74		"	"		2	
5				"	"	3			30.01	77	75	74		"	S		1	
6				"	"	3			30.04	77	75	71		"	"		1	
7				"	"	3			30.08	77	75	71		"	cm		3	
8	Swinging Ebb.			W.N.W.	West	3			30.08	78	76	74		"	ci		1	
9				NW	WNW	3			30.08	79	77	74		"	"		2	
10				NW×N	NW	4			30.09	79	79	75		"	"		2	
11				"	"	4			30.09	79	80	75		"	"		2	
Noon.				"	"	4			30.09	81	84	78		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag. For Aft
Longitude by ° ′ ″ 80-77 76-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water do Tilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2350 "

Coal consumed during the preceding 24 hours, 4 tons, 445 lbs.

Coal remaining on hand at noon, 68 " 1520 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each in its.	State of the Sea.
P. M.																		
1				NW×N	N.W.	4			30.10	81	86	79		bc	ci		1	
2	Swinging			"	"	4			30.10	81	86	78		"	"		1	
3	Flood			SSE	"	4			30.10	81	83	74		"	"		1	
4				"	"	4			30.10	84	85	77		"	"		1	
5				"	"	4			30.10	84	85	79		"	"		1	
6				NE	SW	1			30.10	83	84	77		"	"		3	
7				SE×S	SE×S	1			30.10	80	78	74		"	"		3	
8	Swinging			"	"	1			30.13	79	77	73		"	cm		3	
9	Ebb.			Swinging	S.S.E.	1			30.14	80	76	73		"	ci		1	
10				NW×N	South	4			30.16	78	75	73		"	"		1	
11				"	E.N.E.	4			30.18	77	75	73		"	"		1	
Mid.				N.N.W.	"	3			30.18	76	75	73		"	"		1	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, May 9th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Moderate to gentle breeze from West & N.W. Barometer steady. At 2:30 low water.

A. Gleaves
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Gentle breeze from N.W. At 6:30, sent party ashore to prepare small arm target for use. First division began pistol practice at 7:15. Set out target for secondary gun practice, and sent 4th division ashore to fire at rifle range. The U.S.S. Lancaster passed out at 7:45. High water at 7:30.

T. L. Davis
Lieut. U.S.N.

8 am to meridian.
Clear & pleasant. Gentle to light breezes from West to N.W. Swung to ebb at 8:30. By order of the Commander, placed H.G. Squires, app. 3d cl., in solitary confinement on bread and water for five days, for persistent smoking. The Commander awarded the following punishments: J.P. Powers, app. 3d cl., using abusive language to Gunner's mate, 16 hrs. extra duty; N. Krebbs, app. 3d cl & O.F. Clark, app. 3d cl., each for persistent smoking, 16 hrs. extra duty, J.C. Birch, E.H. Knowles, R. Boyd, G.R. Nebel, P.M. Friis, app. 3d cl., all for smoking, 8 hrs. extra duty each, H.G. Craft, app. 3d cl., slow in clearing gun deck, 4 hrs. extra duty, M.K. Nelson, app. 3d cl., persistent refusal to clear gun deck, 24 hrs extra duty. Going ahead at target firing as follows: 1st div. sub caliber & 1 pdr., 2d div. 1 pdr., 3d pistol & 1 pdr., 4th, pdr. & small arm.

C. C. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Light N.W.ly breeze. Barometer steady, at 30:10. Exercising at target practice. Mid 4th div. on rifle range. Navigator & powder div. on revolver. 1st 2d & 3d at 6 hr and sub caliber. The Commander paid an official call on the Comdg. Officer of the "Prairie." Slack low water at 2:25.

A. Gleaves
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breezes from N.W. to light airs from S.W. Going ahead with secondary battery, sub caliber, rifle and pistol practice.

C. C. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light airs to gentle breezes from South to E.N.E. Barometer rising. Low slack water at 8:30.

A. Gleaves
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off Bay Point, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				NNW.	ENE	3			30.20	76	75	73		bc	S		1	
2				"	"	3			30.20	76	75	73		"	"		1	
3				Swinging	East	3			30.20	76	74	72		"	"		1	
4				E.S.E.	"	3			30.20	76	74	72		"	"		1	
5				S.E.	"	3			30.19	76	74	72		"	"		2	
6				"	"	3			30.22	75	73	71		"	"		3	
7				"	"	3			30.24	76	74	72		"	"		3	
8				"	"	3			30.27	76	76	74		"	acu		4	
9				"	"	3			30.27	76	76	74		"	"		4	
10				Swinging	"	3			30.27	77	77	75		"	"		4	
11				NNW	"	3			30.28	77	77	74		"	"		4	
Noon.				"	"	3			30.29	77	77	74		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag.
Longitude by ° ' " For Apr.
80-76 76-76

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 1185 lbs.

Coal remaining on hand at noon, 67 " 1085 "

P. M.				NNW														
1				"	E SE	3			30.28	77	77	75		bc	acu		3	
2				"	"	3			30.27	79	77	75		"	"		3	
3		Swinging		SSE	"	3			30.26	80	77	76		"	"		3	
4				SE×S.	SE	3			30.26	80	78	76		"	"		3	
5				"	"	3			30.26	79	78	75		"	ac		6	
6				"	"	3			30.24	78	76	74		"	"		6	
7				"	SE×E	3			30.23	78	75	73		"	acu		6	
8				"	"	3			30.22	78	75	73		"	c		3	
9		Swinging		NW.	SSE	4			30.22	74	75	74		"	"		2	
10				"	"	5			30.22	73	75	74		"	"		3	
11				"	South	5			30.21	73	75	74		"	cu		6	
Mid.				"	"	5			30.20	78	78	74		"	"		6	

4—25

under the command of Commander Frank Courtis, , U. S. Navy,
Wednesday, May 10th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Bright starlight. Gentle breezes from E.S.E & East. Commenced swinging to flood at 2:45

J.M. Bennett, Ensign, U.S.N.

4 to 8 a.m. Clear & pleasant. Gentle breeze from East. Sent 1st div. of apprentices ashore to the rifle range for practice. 4th division fired with the 6 pdr.

C.M. Fahs
Lieut. U.S.N.

8 am to meridian.
Clear & pleasant. Gentle breeze from East. Barometer rising slowly. High slack water at 9.40. Continued subcaliber and secondary battery practice, also revolver practice. 1st divis on ashore on rifle range. The Commander assigned the following punishments: J. Ritter, G.A. Melch, C.J. Ard, B.F. Pepper, J.J. Devine, E.H. Knowles, apps 3d cl. Failing to man boat falls after repeated orders, each 4 hrs extra duty; E.T. Hoff, apps 3d cl. Noisy at mess formation, 4 hrs extra duty; J.J. Tuecker, C. Robinson, apps 3d cl. smoking, each 16 hrs extra duty; O. Pringle, J. Hurst, J.E. Lonergan, apps 3d cl. smoking, each 8 hrs extra duty; C.J. Roy, ♯6 3d cl., persistent smoking, 5 days solitary confinement on bread & water; J.A. Child, apps 3d cl., smoking and shirking work, 5 days solitary confinement on bread & water; W.J. Fortune, J. Guillean, apps 3d cl. Failing to sweep down, each 4 hrs extra duty. J. Graham, mess atn., shirking, and continued disregard of orders, 28 hr. extra duty. At 8:15, U.S.S. Prairie got under way, and proceeded to sea. Ensign H.M. Bennett, U.S.N., was detached from this ship this day, and ordered to report for duty on the U.S.S. Franklin. The 2d cutter lost one boat hook.

W.F. Fullam
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle E. & E.by.S to S.E.by.S breezes. Barometer falling. Sent 3d division ashore for small arm practice at 1:00. From 2:00 to 3:00 held great gun practice, 1st & 2d division at range of 1400 yds, stationary practice. Low water at 3:00. Swung to flood, 3:10 to 3:30. Concussion of firing broke one Aneroid barometer in chart house.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Fair & pleasant. Gentle breeze from S.E. & S.E.x E. Barometer falling slowly. Flood tide. Naval Station tugs, Hercules & Waban passed up the river. Continued rifle practice on shore until 5:30.

W.F. Fullam
Ensign, U.S.N.

8 p.m. to midnight
Cloudy to fair. Moderate to stiff S.S.E.ly and South'ly breezes. Barometer fell slightly. High water at 9:30. Ship swung to ebb, 10:10 to 10:30.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E.T. Leutze,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off Bay Point, Port Royal. S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Strfce.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale-0to10.	State of the Sea.
A. M.																		
1				N W	South	5			30.17	76	76	75		b c b w	S cu		5	
2				"	"	5			30.17	76	76	75		"	"		5	
3				N W × W	S.S.W.	5			30.15	76	76	75		"	"		7	
4				Swinging	S W × S.	5			30.15	76	76	75		"	"		7	
5				S S E	"	4			30.17	76	76	75		"	"		6	
6				"	"	4			30.17	76	75	74		"	"		5	
7				"	"	4			30.19	76	75	74		b c	"		5	
8				"	"	3			30.20	76	76	74		"	Ci cu		4	
9				S × W	S W	3			30.19	76	77	74		"	"		3	
10				Swinging	"	3			30.18	77	79	76		"	Ci		3	
11				N W	South	4			30.17	77	79	76		"	"		3	
Noon.				"	"	4			30.16	77	78	75		"	"		3	

Position at 8 A. M. { Latitude by ° ' " Temp. of Aq. For Aft
Longitude by ° ' " 80-76 76-76

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 7750 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 67 " 305 "

P. M.																		
1				N W	South	3			30.15	76	78	76		b c	cu s		4	
2				"	"	3			30.13	76	78	76		"	"		4	
3				N W × N	S W × S.	4			30.10	78	79	77		"	"		4	
4				N W.	"	3			30.08	76	79	77		"	"		4	
5				S S E.	South	4			30.08	79	80	78		b c h	cu m		6	
6				"	S W	3			30.09	79	80	78		"	"		6	
7				"	"	3			30.09	79	80	77		b c	"		5	
8				"	"	2			30.12	79	80	77		"	cu		4	
9				"	"	2			30.13	79	79	76		"	"		3	
10				Swinging	"	1			30.13	79	79	76		"	"		1	
11				N W	"	1			30.10	79	79	77		"	"		1	
Mid.				"	"	1			30.13	79	79	77		"	Cir		1	

4—25

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, May 11th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Stiff breeze from South to S'ly & S. Heavy dew. Lightning all around horizon during entire watch. Low water at 3:15.

J. F. Dewey
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant. Lightning 1st hour. Moderate to gentle S.W. & W'ly breeze. Barometer rising. U.S.S. Amphitrite came down from the Naval Station & proceeded to sea. Ensign W. G. Marion, came on board to report for duty. Ensign K.M. Bennett, who was detached yesterday, left the ship. Sent firing party ashore, Lieut. Fahs in charge; Lieut. Leiper took firing party of Navigators Division.

W. Farr Lee
Ensign, U.S.N.

8 am to meridian
Fair & pleasant. Gentle to moderate S'ly and South'ly breezes. Barometer falling. Ship swung to ebb, 9.40 to 10.30. High water at 9.00. 3d & 4th divisions had great gun & rifle practice, stationary at 1400 yds. Navigators & 2d divisions, firing at small arms on shore.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & warm. Gentle to Moderate breeze from South & S.W. & S. Sent 3d & Navigators divisions ashore to fire at rifle range. Brought on board, great gun & secondary practice targets. Low water at 3:06. Rec'd in pay Dept. the following fresh provisions: 153 lbs. of bread, and 191¼ lbs. each of beef & vegetables.

J. F. Dewey
Lieut U.S.N.

4 to 8 p.m.
Cloudy & pleasant, with light rains, thunder & lightning. 1st hour. Moderate to light S'ly to S.W'ly breezes. Barometer rising. Firing parties returned on board at 4.40, having completed practice. Chaplain held evening prayers. Rec'd. for ship's library, from Gen'l Storekeeper, Navy Yard, N.Y., one copy of Flags of Maritime Nations.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light airs from S.W. Heavy dew. Moon set at 9.30. High water at 9.45.

J. F. Dewey
Lieut. U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3< Rate,
Anchor, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, scale of 1.	State of the Sea.
A. M.																		
1				NW	Calm	0			30.17	79	77	76		b c w	F. Cu		2	
2				"	"	0			30.17	78	77	76		"	"		2	
3				"	North	1			30.12	78	77	76		"	"		2	
4	Swinging & Flood			"	"	1			30.12	78	77	76		"	S.		1	
5				SE x S.	Calm	0			30.12	79	77	75		b c	"		2	
6				"	NNW	1			30.14	77	77	75		"	"		2	
7				"	"	2			30.16	77	77	75		"	"		1	
8				"	"	1			30.17	80	78	77		"	"		1	
9				S.S.E.	"	1			30.17	80	79	77		"	"		1	
10				Various	"	1			30.18	80	80	77		"	"		2	
11	Swinging & Ebb			SE x S.	"	1			30.19	80	86	82		"	"		1	
Noon.				N.N x N	"	1			30.19	81	87	83		"	c u m		2	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Aq. For Aft. 80.77 - 76.76.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 2035 lbs.

Coal remaining on hand at noon, 65 " 510 "

P. M.																		
1				N N x N	S.S.E.	1			30.18	81	86	82		b c	c u		5	
2				N W	South	2			30.17	83	86	83		"	"		4	
3				N N x N	S.E.	2			30.17	82	85	82		"	c u m		5	
4	Swinging & Flood			"	"	2			30.18	82	84	80		"	"		7	
5				S E	"	2			30.18	82	82	79		"	"		6	
6				"	"	2			30.16	82	84	80		"	"		6	
7				"	"	2			30.16	82	82	78		"	c u		6	
8				"	"	2			30.13	82	80	78		"	"		9	
9				S E x S	"	2			30.16	82	80	77		"	"		6	
10				"	"	2			30.17	82	80	77		"	"		4	
11	Swinging & Ebb			South	South	2			30.16	80	78	76		"	"		5	
Mid.				N W	"	2			30.14	80	78	76		"	"		2	

4-25

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, May 12th , 18 99.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Calms first half, light airs from North, latter half.

O. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Clear & very warm. Calms, & light W.N.W.ly airs & breezes. Barometer rising. Low water at 4:16. Ship swung to flood 4:30 to 4:55. At 4:00 started fires under boilers C & D for steaming purposes.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian.
Clear & very warm. Light airs from W.N.W. At 9:00 got under way and stood up for the Navy Yard. Draft, fwd 13'6", aft 16'6". At 10:15 arrived off Navy Yard and bent port chain to buoy at Wood landing. Made preparations for coaling ship. The Commdg. Officer left the ship to pay an official visit to the Commandant. Put fires die out under boiler C, and using boiler B for distilling. Released M.C. Scott, app.s 3d cl., and M. Sullivan, app.s 3d cl., their terms of confinement having expired. Placed C. J. Roy, app.s 3d cl., and G.A. Child, app.s 3d cl., in solitary confinement for 5 days, on bread & water, in accordance with punishment awarded. The Commdg. Officer awarded the following punishments: P. Litz, app.s 3d cl., 8 hrs extra duty for smoking; R. Dalzell, app.s 3d cl., 4 hrs extra duty for dirty bread mess; H. M. Friis, E.A. Child, and A. Getz, app.s 3d cl., 4 hrs extra duty for late hammocks. High water at 11.

J. F. Dewey
Lieut. U.S.N.

meridian to 4 p.m.
Fair to cloudy, warm. Light airs & breezes from South to S.E. At 3:00 commenced on port side, from a lighter which had just come from the Naval Station. The lighter had 50 tons on board.

O. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light breeze from S.E. Low water at 4. Emptied lighter on port side, and at 5:00 began taking coal from lighter containing 50 tons on starboard side. Stopped coaling for the day at 6:30.

J. F. Dewey
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy to fair, pleasant. Light breezes from S.E. and South. 11:05 commenced to swing to ebb.

O. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

F. F. Luper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Anchor, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, scale 10.	State of the Sea.
A. M.																		
1				NW	SSW	2			30.12	79	79	77		b-c	cu		2	
2				"	SW	3			30.12	79	79	79		"	"		2	
3				"	"	2			30.12	79	79	77		"	"		1	
4				"	"	1			30.13	79	79	77		"	"		1	
5	Swinging			"	"	1			30.11	78	77	75		"	o cu		3	
6				SE×S	"	2			30.14	77	75	73		"	c/o		6	
7				"	W×S	2			30.14	77	77	74		"	"		2	
8				"	"	2			30.16	78	78	76		"	"		2	
9				"	"	2			30.16	80	80	78		"	"		2	
10				SSE	WxN	2			30.17	80	80	75		"	"		2	
11	Swinging			South	S×E	1			30.17	80	81	77		"	"		1	
Noon.				NW	"	1			30.17	80	84	79		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Temp of Mag. Fm Aft.
Longitude by ° ' " 80-78 76-76

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 162 " 1990 "

P. M.																		
1				NW	West	1			30.17	84	87	74		b-c	ci		2	
2				"	"	1			30.16	84	87	84		"	"		2	
3				"	"	1			30.16	84	87	82		b-c	"		3	
4				"	"	2			30.11	84	89	78		bc	cu		3	
5	Swinging			West	SSW	3-5			30.12	80	81	78		Textbc	cu N		8	
6				SE×S	Various	1-4			30.13	79	77	74		"	"		8	
7				"	SW×S	2-4			30.17	78	74	72		bc	"		7	
8				"	West	1			30.16	78	74	73		bcb	"		4	
9				"	"	1			30.18	78	74	73		bc	ci		3	
10				"	"	1			30.18	78	76	73		bcv	"		2	
11					NW	1			30.19	78	75	73		"	St		2	
Mid.	Swinging			ENE	"				30.20	78	75	73		"	"		1	

4-25

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, May 12th , 18 99.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Calms first half, light airs from North, latter half.

Wm Fahs
Lieut. U.S.N.

4 to 8 am.
Clear & very warm. Calms, & light NW'ly airs & breezes. Barometer rising. Low water at 4:16. Ship swung to flood 4:30 to 4:55. At 4:00 started fires under boilers C & D for steaming purposes.

Ralph Earle,
Ensign, U.S.N.

8 am to meridian.
Clear & very warm. Light airs from W.N.W. At 9:00 got under way and stood up for the Navy Yard. Draft, fo'd 13'6", aft 16'6". At 10:15 arrived off Navy Yard and sent boat clear to buoy of boat landing. Made preparations for coaling ship. The Comm'dg. Officer left the ship to pay an official visit to the Commandant. Put fires die out under boiler C, and using boiler D for distilling. Released R.C. Scott, app'd 3d cl., and R. Sullivan, app'd 3d cl., their terms of confinement having expired. Placed C. J. Roy, app'd 3d cl., and G.H. Child, app'd 3d cl., in solitary confinement for 5 days, on bread & water, in accordance with punishment awarded. The Comm'dg. Officer awarded the following punishments: P. Litz, app'd 3d cl., 8 hrs extra duty for smoking; R. Dalzell, app'd 3d cl., 4 hrs extra duty for dirty bread nipt; H. M. Friis, E. A. Child, and A. Litz, app'd 3d cl., 4 hrs. extra duty for late hammocks. High water at 11.

J. F. Dewey
Lieut. U.S.N.

meridian to 4 p.m.
Fair to cloudy, warm. Light airs & breezes from South to S.E. At 3:00 commenced on port side, from a lighter which had just come from the Naval Station. The lighter had 50 tons on board.

Wm Fahs
Lieut. U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light breeze from S.E. Low water at 4. Emptied lighter on port side, and at 5:00 began taking coal from lighter containing 50 tons on starboard side. Stopped coaling for the day at 6:30.

J. F. Dewey
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy to fair, pleasant. Light breezes from S.E. and South. 11:05 commenced to swing to ebb.

Wm Fahs
Lieut. U.S.N.

Examined and found to be correct.

F. F. Luiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				N W×N	NNW	2			30.20	78	75	72		bcl	S.		1	
2				"	"	1			30.20	78	74	71		bl.	Nim		0	
3				"	North	1			30.20	79	74	71		"	"		0	
4				"	"	1			30.21	76	74	72		"	"		0	
5				"	"	1			30.24	76	72	71		bc	S		1	
6				Swinging	"	1			30.26	76	73	71		"	"		1	
7				N E×E	NE	2			30.27	76	75	71		b	Nim		0	
8				"	"	3			30.28	76	76	72		"	"		0	
9				"	"	3			30.29	76	76	72		"	"		0	
10				S E	NE×N	3			30.30	77	78	73		"	"		0	
11				S E	"	3			30.30	78	79	73		"	"		0	
Noon.				E S E	"	2			30.30	78	81	76		bc	F.cu		1	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag. Fr. Mfg.
Longitude by ° ′ ″ 79-79 77-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 10 lbs.

Coal remaining on hand at noon, 162 " 1980 "

P. M.																		
1				Swinging	N E×N	3			30.31	82	81	76		bc	cu		1	
2				N N W	E N E	3-4			30.31	80	79	75		"	"		1	
3				"	"	4			30.32	79	76	74		"	"		1	
4				N×W	"	4			30.32	76	76	73		"	"		1	
5				"	East	4			30.30	76	76	72		"	"		1	
6				Swinging	"	3			30.30	76	76	72		"	"		2	
7				E S E	"	3			30.30	75	75	72		"	ci		2	
8				S E	"	2			30.32	72	74	72		"	"		2	
9				"	"	1			30.30	72	74	72		"	"		2	
10				"	"	2			30.30	72	76	74		bc	Nim		0	
11				"	"	2			30.32	72	76	74		"	"		0	
Mid.				Swinging	"	2			30.31	72	74	74		"	"		0	

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday, May 13th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Clear & warm. Light breeze from S.S.W. to S.W. Barometer steady. Ebb tide.

W. H. Griffin
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light airs from S.W. Low water at 8. Coaling from lighter on Starboard side at 6:30.

W. H. Brady
Lieut. U.S.N.

8 a.m. to meridian.
Clear & warm. Light breezes and airs from W.×S. to W.×N. At 8:50 finished coaling ship, having taken in 700 tons in all. Engaged in cleaning ship.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Clear & warm. Light airs to light breezes from West. Barometer falling. Ebb tide. Thunder last hour.

W. H. Griffin
Ensign, U.S.N.

4 to 8 p.m.
Cloudy with frequent heavy rain squalls first three hours, accompanied by thunder & lightning. Light breezes & airs from S.S.W. to West with an occasional puff of wind. At 5:10 commenced swinging to the flood. The "Amphitrite" came in from outside and anchored in the lower reach.

C. M. Fahs
Lieut. U.S.N.

8 p.m. to midnight
Clear & pleasant. Light airs from NW & West. Barometer rising. Flood tide. Moon set at 10:40. High water at 11:30.

W. H. Griffin
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lyon
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off Naval Station, Port Royal, S.C.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1				NNW	ESE	3			30.34	74	74	73		bc	cu		5	
2				"	"	3			30.36	74	74	73		"	"		5	
3				"	"	3			30.38	74	74	73		"	"		5	
4				"	"	2			30.32	74	74	73		"	"		4	
5				NW×N	"	1			30.34	73	72	70		b	none		0	
6	Swinging to Flood			"	"	1			30.36	73	72	70		"	"		0	
7				SE×E	"	1			30.36	74	75	72		"	"		0	
8				SE	"	2			30.36	75	77	71		"	"		0	
9				"	"	1			30.36	77	79	74		bc	c.		1	
10				"	SSE	1			30.39	77	79	74		b	none		0	
11				"	"	1			30.39	78	79	74		"	"		0	
Noon.				SSE	"	1			30.39	78	79	74		bc	c.		1	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Air 79-78 Water 77-76
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 162 " 1290 "

P. M.																	
1	Swinging to Ebb	South	SSE	1			30.39	79	80	74		bc	few		1	
2		N.W.	"	3			30.36	77	79	76		b	None		0	
3		"	South	3			30.36	76	78	73		"	"		0	
4		NW×N	SSE	3			30.34	76	77	72		"	"		0	
5		"	"	3			30.34	76	76	72		"	"		0	
6	Swinging to flood	"	"	3			30.33	76	75	70		"	"		0	
7		SSE	"	2			30.32	76	75	71		"	"		0	
8		"	"	2			30.32	76	74	71		"	"		0	
9		SE×S	"	2			30.32	77	74	71		"	"		0	
10		"	"	3			30.32	78	74	71		"	"		0	
11		"	"	3			30.32	78	74	71		"	"		0	
Mid.		"	South	2			30.32	76	74	71		"	"		0	

under the command of Commander Frank C. Curtis, U. S. Navy,

Sunday, May 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Light breeze to light airs from N.N.W. shifting to North. Barometer steady, rising .01 last hour. Riding to ebb tide.

W. J. Marion,
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light airs from North to gentle breeze from N.E.

C. M. Fahs
Lieut. U.S.N.

8 am to meridian:
Clear & pleasant. Light breeze with stiff puffs from N.E. to N.E. & N. Barometer rising. At 9:30 the Commander inspected the ship's crew at quarters. By order of the Comm'dr. A. G. Squires, app'd 3d cl., was released from confinement, his term having expired, and by the same authority, M. Sullivan, app'd 3d cl., & W. C. Scott, app'd 3d cl., were placed in solitary confinement for 5 days, on bread & water, for using threatening & abusive language to M. A. The Chaplain held Divine Service on board. The Comm'dr assigned the following punishments: M. Sullivan & M. C. Scott, apps 3d cl., weight boat rowing & abusive language to M. A., 5 days solitary confinement on bread and water, each. E. H. Miller, N. Talbot, H. L. Prather, J. Smith, E. F. Child, P. J. Milling, P. Busch, S. Ingham, W. M. Kemp, T. E. Hutchenson, apps 3d cl., found in swimming without permission, 4 hrs. extra duty each. E. Thomas, app'd 3d cl., failing to report first call for colors, 1 week orderly watch. E. J. Doles, app'd 3d cl., Failing to clean gun bright work, 4 hrs. extra duty, Fresh water at 11:30. At 11:53 U.S.S. Amphitrite came up the river and moored to buoy abreast Naval Station. At 11:50, Lancaster was sighted steaming up. At 5:30, Norwegian steamer "King Hakon" proceeded out to sea.

W. J. Marion,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle increasing to moderate breeze from N.E. & N. and E.N.E. Barometer steady, falling last hour. About 1:40 the "Amphitrite" and the "Lancaster" exchanged numbers. The "Lancaster" anchored at 1:15 off our fort bow, and at 1:40 she shifted her anchorage to nearly ahead of us, and beyond the "Amphitrite". At 11:30, held Divine Service. Commenced [illegible] to ebb tide at 12:50

W. J. Marion,
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Moderate to light breeze from East. Barometer steady. Low water at 5:30.

W. J. Marion
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light airs & breezes from East. Barometer nearly steady. Moon rose at 11:25.

W. J. Marion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Making passage to Hampton Roads, Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	Swinging to Ebb			S x E	South	2			30.30	76	74	72		b	Nmc		0	
2				NW	"	1			30.29	76	74	72		"	"		0	
3				"	"	1			30.29	76	73	72		"	"		0	
4				"	"	1			30.29	76	73	72		"	"		0	
5				"	Calm	0			30.30	76	73	72		"	"		0	
6				S S W.	SW	1			30.32	76	75	72		"	"		0	
7	Swinging to Flood			"	"	1			30.34	76	75	72		"	"		0	
8				"	S E x S	1			30.35	76	76	73		bc	cmc		3	
9				Various	"	1			30.35	76	76	73		"	"		3	
10				"	"	2			30.35	77	78	74		"	S		1	
11				"	S x W	3			30.35	78	78	74		"	"		4	
Noon.				"	"	3			30.35	78	81	77		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag. For. Aft.
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' " 80-79 79-77
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by Polaris 32 °14 '15 "N
Longitude by Obs 79 °38 '00 "W

Variation of compass: 0°20' E'ly

Error of compass observed at 5:22, S.H. E N 6½ E 6°42' E'ly

Deviation of compass on " " " 6°00' E'ly

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1750 "

Coal consumed during the preceding 24 hours, 2 tons, 1970 lbs.

Coal remaining on hand at noon, 159 " 1500 "

			50.4	Various														
P. M.	0	6	51.0	"														
1	4	5	55.5	E x N.	S x W	3			30.34	76	79	76	74	b	Nmc		0	S
2	7	8	63.3	"	"	3			30.34	76	78	75	74	"	"		0	"
3	7	6	70.9	"	"	3			30.32	76	78	76	74	"	"		0	"
4	7	2	78.1	"	South	3			30.31	76	77	76	74	"	"		0	"
5	7	8	85.8	"	"	3			30.28	75	76	74	74	"	"		0	"
6	5	4	91.6	E N 6½ E.	"	3			30.28	75	76	74	74	"	"		0	"
7	2	8	94.4	"	S W.	2			30.26	75	75	74	74	"	"		0	"
8	2	5	96.9	"	"	2			30.29	75	75	74	74	"	"		0	"
9	2	6	99.4	"	"	2			30.31	75	75	74	74	"	"		0	"
10	3	3	2.7	"	S S W	3			30.32	75	75	73	74	"	"		0	"
11	3	6	6.3	"	"	3			30.32	75	75	73	74	"	"		0	"
Mid.	3	7	10.0	"	"	3			30.32	75	75	72	74	"	"		0	"

4—25

under the command of Commander Frank C. Curtis, U. S. Navy,

Monday, May 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Gentle to light E & S E ly breezes. Barometer falling. High water at 12:00. Ship swung to ebb tide, 12:40 to 12:55.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light E & S E ly airs. Barometer rising. Low water at 6:15. Loosed sail. Made following signal: "6" to "A" Int. 5574. "A" to "E" affirmative.

A. H. Dunlap
Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Light airs from E & E and S & E. Barometer rising first hour, steady afterwards. At 9:30 mustered at quarters. Absentees, none. Setting up drill, after which division were instructed until 10:30 in gunnery. From 10:45 to 11:30 all divisions made out clothing list and clothing & small stores requisitions. The Commdg. Officer of this ship called officially on the Commdg. Officer of the Lancaster. Mathew Dunn, B.M. 3d cl., reported the interpolation of his term of enlistment this day. The U.S.S. Peoria came in, and after exchanging numbers with the "Amphitrite", anchored off Quarantine Station. Recd. in Dept. of Supplies & Accts., the following stores: 3000 lbs. flour, 1520 lbs. sugar, 400 lbs. coffee, 84 lbs. tea.

W. J. Marion,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Light airs to gentle breezes from S.S.E. & South. Barometer falling. High water at 12:45. Swung to Abt. 12:50 to P.O. At 1:15 furled sail, sent down t'gallant yards, bent light sail & crossed light yards. Made preparations for sea. U.S.S. Peoria came up to yard at 3. Over hauled wheel ropes, found them in good condition. At 1:15 asked permission of and it was granted by, U.S.S. Amphitrite to make preparations for sea. Commdg. Officer assigned the following punishments: A. A. Seebert, J. J. Devine, app. 3d cl., smoking, 16 hrs extra duty, C. H. Campbell, app. 3d cl., smoking, 8 hrs. extra duty, G. A. Neled, app. 3d cl., sitting on ham mock netting after repeated warning, 4 hrs. extra duty, A. E. Craft, app. 3d cl., loafing on gun deck and inattentive at drill, 8 hrs. extra duty, A. Talbot, app. 3d cl., noisy on gun deck and inattentive at drill, 8 hrs. extra duty; E. K. Murray, app. 3d cl., inattentive at drill, 4 hrs extra duty.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle to light breezes from S.S.E. Barometer nearly steady. The Commdg. Officer of the Lancaster, about 5:20, called officially on the Commdg. Officer of this vessel.

W. J. Marion,
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle to light S. & S.E. & South ly breezes. Barometer steady. Moon light.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. L. Lucas,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES *Training Ship Essex* 3d Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, easterly.	State of the Sea.
A. M.							P.S.											
1	3	6	13.6	ENE½E	S.SW	3	4.0	1/8	30.27	75	75	73	74	bcw	Nmz		0	S
2	4	1	17.7	"	"	3	4.0	1/8	30.27	75	75	73	74	"	"		0	"
3	4	8	22.8	"	"	3	5.0	1/8	30.27	76	75	73	74	"	"		0	"
4	5	2	27.7	"	"	4	5.0	0	30.28	76	76	73	74	"	"		0	"
5	4	7	32.7	"	"	4	5.0	0	30.30	77	77	73	75	b	"		0	"
6	4	8	37.5	"	"	4	4.0	0	30.30	77	77	74	77	"	"		0	"
7	4	1	41.3	"	SW	4	0.0	0	30.29	78	78	74	79	"	"		0	"
8	4	8	46.1	"	"	4	0.0	0	30.29	77	76	74	77	"	"		0	"
9	4	6	50.7	"	W.S.W.	4	1.0	0	30.28	77	78	74	77	"	"		0	"
10	4	8	55.5	"	"	4	1.0	0	30.26	77	78	75	77	"	"		0	"
11	5	0	60.5	NExE	"	4	1.2	0	30.27	78	81	75	78	"	"		0	"
Noon.	3	6	64.1	"	"	4	1.2	0	30.24	78	81	75	78	"	"		0	"

Position at 8 A. M. { Latitude by D. R. 32°24'00"N / Longitude by Obs. 78°30'45"W

Temp of Mag. For. Aft. 80-78 78-77

Position at noon: Latitude by observation 32°34'34"N; Longitude by observation 78°10'12"W; Latitude by D. R. 32°27'48"N; Longitude by D. R. 78°23'00"N

Course made good since preceding noon: N77°E.

Distance made good since preceding noon: 123 miles.

Distance by Log since preceding noon: 1129 miles.

Current per hour: 5/10 miles, set N57°E true.

Position at 8 P. M. { Latitude by D. R. 32°49'00"N / Longitude by Obs. 77°40'30"W.

Variation of compass: 7.50 a.m. SH. ENE½E 30' w'ly; 5.20 p.m. SH. NExE. 1°00' w'ly

Error of compass observed at " " " " 6°20' E'ly; " " " " 5°40' E'ly

Deviation of compass on " " " " 6°50' E'ly; " " " " 6°40' E'ly

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, 4 tons, 490 lbs.

Coal remaining on hand at noon, 155 " 1010 "

P. M.							P.S.											
1	3	5	67.6	NExE	SW×W	4	2.2		30.23	79	82	76	78	b	none		0	S
2	7	0	71.6	"	"	4	1.2		30.22	80	82	77	79	bc	ci		2	"
3	4	0	75.6	"	"	4	0.3		30.20	79	81	77	79	"	"		2	"
4	3	8	79.4	"	"	4	0.3		30.19	79	79	77	79	"	"		2	"
5	3	3	82.7	"	"	4	0.3		30.17	79	79	77	79	"	"		2	"
6	3	5	86.2	"	"	4	0.3		30.17	79	79	77	79	"	Ni		4	"
7	4	6	90.8	"	"	4	0.3		30.17	79	79	79	79	"	"		4	"
8	4	4	95.2	"	"	4	0.3		30.17	79	79	79	79	"	"		4	"
9	4	2	99.4	"	"	3	0.3		30.18	79	78	77	79	"	"		3	"
10	3	6	3.0	"	"	3	0.3		30.19	80	80	76	79	"	"		3	"
11	3	4	6.4	"	"	3	0.3		30.19	80	80	76	79	"	"		3	"
Mid.	3	6	10.0	"	"	3	0.3		30.19	80	80	76	79	"	"		4	"

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, May 16th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Light airs from South. Moon set at 12:10. High water at 11:00.

T. T. Lowry
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Calms to light airs from S.W. & S.E. & E. At 5:00 started fires under boilers A, B, C, & D. At 6:00 the English Transport Steamer "Emma" came into the harbor and anchored.

W. J. Manion,
Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Light airs to gentle breezes from S.E. & S. and S. & W. Barometer steady. At 9:30 mustered at quarters, no deserters, followed by divisional setting up drill. At 9:37 asked permission to get under way, which was granted by the "Amphitrite". At 9:45 got under way & stood down Port Royal Sound. Remainder of watch standing out on various courses, the Comdg. officer and Navigator on the bridge. At 11 set clock back 15 minutes. Draft fwd 14'6", aft, 17'- Str. steam, 55, revs 46.

Raegh Carse,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle breeze from S. & W. & South. At 12:25 took C departure, Port Royal sea buoy bearing South, distant ¾ mile, bar. log reading 51, and set course E. & N. Set jib, flying jib, fore topmast staysail, and main trysail. At 1 set foresail & beat & set main topmast staysail. During 3d period, instructed apprentices in leg. lead & compass, under steam & above named sail at end of watch. Steam, 57, revs 45.

T. T. Lowry
Lieut. U.S.N.

4 to 6 p.m. Clear & pleasant. Gentle breeze from South. Course E. & N., p.o.c. Steaming, with fore & aft sail & fore sail set. At 5:00 changed course to E.N.E. ½ E. p.o.c., and set all sail. At 5:24 swung around with starboard helm and took in all sail. Steamed to examine a supposed wreck, which turned out to be a very large log, with the stumps of limbs sticking up from it. Went back on course, and made sail again. At 5:56 uncoupled the engines. Started fires in boilers A & B, let them die out in D, and prepared B for distilling. Port Royal Float Lg log, 32°13'N. 79°27'W.

Chas. Parks Lieut. U.S.N.

6 to 8 p.m. Clear & pleasant. Light S.W'ly breeze. Barometer steady. On course E.N.E. ½ E., under all sail save main sail & spanker. Rose light off three sail at dark. Commenced distilling at 6:30.

O. Pierce
Ensign, U.S.N.

8 p.m. to mid night.
Clear & pleasant. Light breeze from S.W., increasing to gentle breezes from S.S.W. Barometer rising. About 9.20 sighted a bark Bertine on port beam, going in a westerly direction. Chip log, 3.0 knots for first hour. Bright moonlight, first quarter moon. On course, E.N.E. ½ E. p.o.c., under all sail excepting main sail & spanker, and including main topmast staysail & main trysail.

W. J. Manion
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Making passage from Port Royal, S.C., to Hampton Rds. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.							P. S.											
1	3	7	13.7	NE×E	SW×W	4	0.3		30.18	79	79	76	79	be	St.		2	S
2	3	5	17.2	"	"	4	0.3		30.18	79	79	76	79	bw	Nm		0	"
3	3	8	21.0	"	"	4	0.3		30.18	79	79	77	79	"	"		0	"
4	4	5	25.5	"	W×S.	5	0.3		30.16	79	79	77	79	"	"		0	"
5	5	3	30.8	"	W.S.W.	5	0.3		30.16	80	80	77	79	be	0		3	"
6	6	4	37.4	"	"	5	0.3		30.17	80	80	78	79	"	"		3	W
7	3 / 3	2 / 0	39.6 / 42.6	NE	West	5	0.3		30.17	79	80	77	79	"	bs		4	"
8	6	9	51.5	"	"	5	0.10		30.17	79	80	76	79	"	"		3	"
9	3	4	56.9	NE½N	"	5	0.15		30.15	80	80	76	79	"	"		4	"
10	6	4	65.7	"	"	5	0.15		30.15	80	82	77	79	"	"		4	"
11	6	2	71.4	"	"	4	0.15		30.14	80	82	77	79	"	"		3	"
Noon.	1	0	72.4															
	3	7	75.9	NNE	"	3	0.15		30.12	80	82	77	78	"	"		2	"

Position at 8 A. M. { Latitude by obs. 33°30'00" N Tenth of Mag. 81-78 78-77
Longitude by obs. 76°26'00" W

Position at noon: { Latitude by observation 33°49'47" N
Longitude by observation 76°3'20" W
Latitude by D. R. 33°39'15" N
Longitude by D. R. 76°19'20" W.

Course made good since preceding noon: N54°E.

Distance made good since preceding noon: 129 miles.

Distance by Log since preceding noon: 114.8 miles.

Current per hour: 7/10 miles, set N50°E true.

Position at 8 P. M. { Latitude by D. R. 34°06'00" N
Longitude by obs. 75°37'30" W.

Variation of compass: 8:06 a.m. SH. NE. 2°0' W'ly. 5:32 p.m. S.H. NW×E½E. 3°00' W'ly

Error of compass observed at " " " " 5°22' E'ly " " " 1°42' E'ly

Deviation of compass on " " " " 7°32' " " " " 4°42' "

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 985 lbs.

Coal remaining on hand at noon, 154 " 25 "

P. M.							P. S.											
1	3	0	78.1	NNE.	W.N.W.	2	0.5	1	30.10	79	81	77	78	be	ci		2	S
2	2	4	80.5	NN"E½E.	"	1	0.5	½	30.09	80	81	77	78	"	"		2	"
3	1	0	80.7	NNE½E	NW×W.	1	0.3	½	30.07	78	80	78	75	bcm	"		5	"
4	1	0	80.7	"	"	1	0.3	½	30.06	78	80	78	78	"	"		7	"
5		6	—	"	"	0	0.5	½	30.06	78	80	78	76	"	"		7	"
6	—	—	—	—	Calm	0	—	—	30.06	79	80	78	76	"	"		6	"
7	1	0	81.7	NNE	WSW.	1	—	—	30.06	79	79	78	75	bcmwk	"		5	"
8	4 / 1	1 / 7	85.8 / 87.5	NE½E	"	1	—	—	30.06	79	77	76	75	ocmk	ao		10	"
9	5	9	92.8	"	North	2-3	0-8	—	30.08	79	76	71	78	ocglw	aw		10	"
10	4	1	96.9	"	N×E	6-8	0-8	—	30.09	79	76	76	75	ocmkl	N		10	"
11	6	4	102.2	"	NE×E	4	—	—	30.10	79	77	76	75	ocdl	"		10	"
Mid.	5	7	90.	"	"	4	—	—	30.06	78	75	76	75	bcl	cuN.		8	"

under the command of Commander Frank C. Curtis, , U. S. Navy,

Wednesday, May 17th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Gentle to moderate S.S.W'ly breezes. Barometer steady. Moon set at 12:13.
Ship steady. On course E.N.E½E ½ E, under plain sail to royals, with exception of mainsail, and spanker, and addition of fore & main topmast stay sails & main try sail.

Ralph Earle
Ensign, U.S.N.

4 to 8 a.m.
Clear & very pleasant. Moderate breeze from S.S.W. veering to S.W. about 6:20, when the main topmast stay sail was taken in. Took soundings at 5 & 7, and found bottom at 50 fms & 120 fms respectively. Temperature of sea water 80° from 7½ to 7¾ at 6. At end of watch under all sail except main topmast stay sail, mainsail & spanker, and on course E.N.E½E.

T. T. Dewey
Lieut. U.S.N.

8 a.m. to meridian.
Clear & pleasant. Moderate breeze from W.S.W. Course E.N.E½E ½ E. At 10:00 changed course to N.E. by E. ½ E. Pat. log. 55.5. By order of the Commander released N. C. Scott, app. 3 cl. from confinement and restored him to duty. The Commander awarded the following punishments: J. E. Buck, app. 3 cl., mess gear on gun deck, 4 hrs. extra duty; A. J. Koon, app. 3 cl., smoking, 8 hrs. extra duty. At 8:10 hauled down fore topmast stay sail & flying jib, and at 9:10 took in main try sail. Mes gear and sail set during watch. At 9:30 inspected at quarters. Gave division instruction in compass and lead line.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Moderate S.W. by W'ly breezes. Barometer falling. On course N.E. by E. ½ E, under same sail as preceding watch. Ship rolling slightly.

H. H. Leiper
Ensign, U.S.N.

4 to 6 p.m.
Clear & pleasant. Moderate breezes from S.W. by W. Barometer falling slowly, first hour, then steady. Starboard watch turned in during this watch. Log. About 4:30 sighted a sailing vessel aloft 2 pts on starboard bow. vessel soon passing out of sight. Ship under same sail as preceding watch. Ship pitching slightly.

W. J. Marion
Ensign, U.S.N.

6 to 8 p.m.
Cloudy & pleasant. Moderate S.W. by W'ly breezes. Barometer steady. Ship rolling slightly, about 30°. On course N.E. by E., under same sail as previous watch.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to mid night.
Clear & pleasant. Gentle breeze from S.W. by W. On course N.E. by E., and on same sail as previous watch. At 10 coupled up propeller to stop noise made by shaft turning in stuffing box.

T. T. Dewey
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount. scale 0 to 10.	State of the Sea.
A. M.																		
1	7	0	16.0	NNE½E	NE×E	2			30.03	78	78	70	75	bcl	cu		7	3
2	7	4	23.4	"	NNW	1			30.02	78	78	70	75	"	"		6	"
3	4	8	28.2	"	"	2			30.00	78	73	72	75	bclb	"		8	"
4	6	6	34.2	"	"	2			30.00	78	73	72	74	bcl	"		7	"
5	6	9	44.1	"	North	2			30.03	76	70	69	69	oc	s.cu		10	"
6	6	7	50.8	"	"	3			30.06	76	68	67	68	ocb	cu		10	"
7	6	6	57.2	"	"	3			30.07	76	67	65	68	"	"		10	"
8	4	6	59.0	NxW½W	"	3			30.07	73	62	61	64	bc	cu.s.		9	"
9	6	9	63.9	NNW	"	3			30.06	71	63	62	61	oc	"		10	"
10	6	1	76.9	"	"	3			30.10	76	61	60	62	"	a.s		10	"
11	5	8	82.7	"	NxE	4			30.10	74	61	61	62	"	"		10	"
Noon.	5	5	88.2	"	"	4			30.11	79	61	61	62	"	"		10	"

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Temp. of Mag. For Aft. 80-60 78-77

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2350 "

Coal consumed during the preceding 24 hours, 11 tons, 1310 lbs.

Coal remaining on hand at noon, 42 " 955 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount. scale 0 to 10.	State of the Sea.
P. M.																		
1	6	3	94.5	NxW½W.	NxE	4			30.10	69	62	61	61	bc	cu		9	8
2	6	0	99.3	"	"	4			30.07	69	60	59	61	"	cicu		7	"
3	6	7	6.0	"	"	4			30.08	69	60	59	61	"	"		6	"
4	7	3	13.3	"	"	3			30.08	69	61	60	61	"	ci		2	"
5	7	0	20.3	"	NExE	3			30.08	68	62	61	61	"	"		3	"
6	6	0	25.9	NW	ENE	2			30.08	68	62	61	61	"	acu		6	"
7	7	5	35.2	"	"	2			30.09	68	62	60	65	"	"		5	"
8	7	6	42.8	"	"	1			30.09	68	62	60	65	"	"		4	"
9	6	7	49.5	NxW.⅞W.	"	2			30.10	67	61	60	65	bc	nim		0	"
10				NNW	"	2			30.10	67	61	60	65	"	"		0	"
11				"	"	2			30.10	65	61	58	-	"	"		0	
Mid.				North	"	2			30.10	65	60	57	-	bc	Dar		1	

4—25

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, May 18th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m. Clear & pleasant. Moderate to stiff breeze from S.W. & W. to W. & N. Under square sails & jib. Course N. 6 E. 8 p.s.c. Stopped distilling at 2.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m. Clear & pleasant. Stiff breeze from W.S.W. & West. Barometer steady. At 6:15 changed course to N. 6 p.s.c. and set fore & main topmast staysails & main trysail. Sighted a sail to N.E. at daylight, which was lost at 7:30. Ship rolling easily, latter part of watch, making un roll, 10° to leeward. Moderate sea. On course N. 6 p.s.c. at end of watch, under all sail save flying jib, mainsail, & spanker.

W. Kerr Bell
Ensign, U.S.N.

8 a.m. to meridian
Clear & pleasant. Stiff breeze, falling to gentle breeze from West. Barometer falling slowly. At 9:30 sounded call to General Quarters; division supposed as follows: 1st, 2d, & 3d, 3 min. 4th & navigators 4½ min. Powder, 3½ min. All divisions were ready in 4½ minutes. Secured at 9:42. Divisions secured as follows: 1st, 2 min. 2d & 3d, 1½ min. 4th & navigators, 2½ min. Powder, 1¼ min. Divisions then drilled during quiet period as per routine. At 10:30 had battalion & company drill. At 8:30, set flying jib. On course N. 6 p.s.c. patent 8:00. At 8:20, changed course to N. 6½ W., set log reading 52.9. At 11:25, changed course to N.W. 6 p.s.c., set log reading 74. At 12:45, sounded call to 2d drill period, and divisions drilled as per routine. By order of the Comdr. Officer, at 10:30 placed E. Thomas, app. 3d cl., in solitary confinement on bread & water for 3 days. Set spanker at 11:30. Punishments awarded by Comndg. Officer: E. F. Coye, app. 3d cl., failing to muster with his division, 4 hrs. extra duty, E. Thomas, app. 3d cl., utter disregard of orders, continually out of line from duty, 3 days solitary confinement on bread & water. E. Hellum, app. 3d cl., smoking, 16 hrs. extra duty, J. Berg, app. 3d cl., smoking, 8 hrs. extra duty, W. O. Toney, app. 3d cl., absent from mess formation, 4 hrs. extra duty, W. G. Crapp, W. Young, H. Dresler, G. B. Yates, E. E. Reed, Gil. Weber, app's 3d cl., no water mark, 4 hrs. extra duty each. At end of watch had all sail set except mainsail.

W. J. Magnon,
Ensign, U.S.N.

meridian to 4 p.m.
Fair, hazy, and pleasant. Light breeze to airs from N.N.W. and N.W. & W. Barometer falling. Rolling easily, from 3° to 5°. At 1:30, armed and equipped boats for distant service, all boats ready in 7 minutes. On course N.W. 6 p.s.c. until 1:45, and after that steering full & by making N.W. 7/8 W. Sailed as in previous watch. Passed quarantine of gulf weed.

Ralph Earle
Ensign, U.S.N.

4 to 6 p.m. Fair & warm. Light airs from N.W. & W. and calm. At 5:00 called all hands to clear for sail drill. At 5:40 went to quarters for muster, and at 5:50 took in and furled all sail. Spread fires under boilers A, B & C, at 5:25, and started fire under boiler D at 6:00.

T. W. Wren
Lieut. U.S.N.

6 to 8 p.m. Cloudy & very hazy. Very damp. Occasionally lightning to N.E. Light N.E. & W. by airs. At 6:50 went ahead with engines, on course N.W. 6 p.s.c. At 7:45 changed course to N. 2½ E. 8 p.s.c. Steam 61, revs. 59

C. M. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Overcast & cloudy. Heavy rain, second hour. Fresh breeze from W.N.W. to North, first two hours, with heavy squalls. Moderate breeze from N.E. & East of watch. More or less lightning, very brilliant first two hours. At 9:50 coupled up fourth boiler, and at 10:30 set fore topmast staysail & main trysail. At end of watch on course, under four boilers and fore topmast staysail & main trysail, Steam 61.5. Passed two sails during watch.

W. Kerr Bell
Ensign, U.S.N.

Examined and found to be correct.

E. F. Keiper
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor in entrance to Chesapeake Bay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern h.	State of the Sea.
A. M.																		
1				North	North	3			30.11	67	62	60		oc	S.cu.		10	
2				"	"	3			30.12	67	62	60		bc	"		8	
3				"	N×W	3			30.12	67	61	58		"	"		3	
4				"	"	4			30.11	67	60	58		"	"		2	
5				"	"	3-4			30.14	67	59	57		"	"		5	
6			52.0	"	"	3			30.14	67	58	56		"	"		5	
7	3	8	55.8	NNW	"	3			30.14	65	59	56	65	"	"		6	
8	6	5	62.3	Various	"	3			30.14	66	60	57	65	"	"		5	
9	6	8	69.1	"	"	3			30.15	66	60	57	65	"	"		6	
10	6	9	76.0	"	NNW	4			30.15	64	60	57		"	cup		6	
11	7	1	83.1	West	"	4			30.15	64	60	57		"	"		6	
Noon.				"	"	3			30.11	65	65	61		"	a cu		6	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Sea. For. Aft.
Longitude by ° ′ ″ 78-76 76-74

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 11 tons, 260 lbs.

Coal remaining on hand at noon, 131 " 695 "

P. M.																		
1				NW×W	N.N.W.	2			30.11	68	67	65		bc	a cu		6	
2				NE×N	"	2			30.10	68	67	65		"	"		6	
3				NE	"	3			30.09	68	67	63		"	"		5	
4				"	"	3			30.08	68	67	63		"	"		5	
5				"	"	1			30.08	68	68	63		"	"		5	
6				"	"	1			30.09	68	68	63		"	"		5	
7				North	"	1			30.11	68	68	61		"	Scu		5	
8				N.N.W.	"	1			30.14	65	65	60		"	"		5	
9				"	Calm	0			30.14	66	66	60		"	"		4	
10				NW×W	NW	1			30.18	65	65	60		"	"		6	
11				NW	"	1			30.20	64	64	60		"	"		6	
Mid.				NW×W	"	2			30.20	61	64	59		oc	"		10	

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, May 19th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & wntd 4 a.m. Generally overcast & cloudy, until lightning, passing light showers during 3d hour. Light breeze from N.E. x E, shifting to light airs and breeze from W.S.W. Barometer falling slowly. At 12:40, moon set behind cloud bank. At 1:00 took in main trysail & main topmast staysail, the wind hauling ahead. At 1:20 sighted Cape Hatteras Light ship, which bore broad off port bow at 1:50, pat. log reading 22.4. About 1:40 sighted light of steamer on starboard bow. About 2, sighted Cape Hatteras light, about two points to left of light ship light. At 2:10, both lights were in range. At 2:45 changed course to N.¼ W., p.s.c., pat. log 28.2, light ship light being abeam. About 2:50, sighted a three masted schooner passing ahead of us to port, and a steamer's light broad off port quarter. At 3:45 sighted a steamer on port bow, going to Southward. About 4:18, set foretopmast staysail, and jib, main topmast staysail, and main trysail & spanker. Under sail & steam, under 4 bells at end of watch. Average steam, 59 lbs., rev. 46.

W. J. Marion,
Ensign, U.S.N.

4 to 8 a.m.

Overcast & cloudy, with light rain. Gentle N'ly breeze. Barometer rising. At 4:45 hauled down all fore & aft sail, word coming but a brisk several schooners in sight during watch. On course N.¼ W. & p.s.c., until 7:15, when changed to N. x W. W. ½ W. log 59. Av. steam, 54 lbs., rev. 45.8

Joseph Earle,
Ensign, U.S.N.

8 a.m. to meridian.

Overcast & raw. Gentle to moderate breeze from N.W. & N. & E. At 9:28 sounded the fire alarm, divisions reporting as follows: 1st 2d 3d 4th, 9:30, 5th order & dilicators, 9:30½, 4th 9:31. At 9:36, called "all hands abandon ship", all boats being ready at 9:48 sounded at 9:51, after which apparatus were instructed in fuzes and ammunition. During 2d period, instructed apprentices at head, log, & compass. Released M. Sullivan, app'd cl., fifteen months confinement having expired. The Commdg. Officer awarded the following punishments to the below mentioned apprentices 3d class: E. S. Crowder, A. P. Hutchinson, B. P. Piper, H. G. Squires, S. S. Stevenson, E. H. Allen, & E. S. Nicholson, 4 hrs extra duty each, for small arms at drill; A. Talbot, 4 hrs extra duty, for absent mess formation; P. E. Hutchinson & A. P. Campbell, 16 hrs extra duty each, for chewing tobacco; P. J. Willing & H. E. Burch, 8 hrs extra duty, for leaving quarters while Divisional Officer was absent; W. McNelson, & E. Ramsay, 8 hrs extra duty, for skylarking at mess formation; A. J. Moore, 3 days solitary confinement on bread & water, for leaving ship without liberty, & watch and stocking below. Pork coats with mustard machine at 11:30 & 12, and spanker at 12 & 10½ p.m., respectively. On course N.W. & W. till noon, when course was changed to N. x W. ¾ W. Bodies Solid. Light hours bearing abeam at end of watch. Steam 58 lbs., rev. 46.

J. J. Vinny,
Lieut. U.S.N.

D. Selvin, seaman, reported the expiration of his term of enlistment.

Meridian to 4 p.m.

Cloudy & fair, cool. Moderate breeze from N. x E. & E. Course N. x W. ½ W. p.s.c., At 2:30, set fore & aft sail. At 3:45 sighted Currituck Beach House on port bow, bearing N.W. ½ W. p.s.c. Steam, 59 lbs. rev. 46.

Chas. Jahs,
Lieut. U.S.N.

4 to 6 p.m.

Fair & cool. Gentle to light breeze from N.E. x E. & E. & N.E. Barometer steady. At 5:45 took in main topmast staysail and unbent it. At 6:25, Currituck Beach House was abeam, and at 6:30 abeam, 8 miles distant. At 6:40 changed course to N. W. p.s.c. Sighted several sail. On course & at end of watch, under steam & fore & aft sail. Rev. 46, at end of watch.

William Lee,
Ensign, U.S.N.

6 to 8 p.m.

Fair & cool. Light breeze falling to light airs from E. N.E. Barometer rising first hour, steady second hour. At 6 hauled down flying jib, jib, fore topmast staysail. Stowed all but jib. Took in main trysail & spanker, and furled them & squared yards. At 7:05 sighted Cape Henry Light, 2 pts on port bow. Several sail in sight during watch. On course N.W., at end of watch, under steam, all 8 bells. Average steam 61 lbs., av. rev. 48.

W. J. Marion,
Ensign, U.S.N.

8 p.m. to midnight

Fair, to cloudy, cool. Gentle E. N.E. ly breeze. Barometer steady, moon light. About 8:30, sighted Cape Charles light bearing north. At 8 changed course to N. x W. ¾ W., p.s.c., log 42.8, and at 9:15 to N.¼ W., p.s.c. At 9:45 came to anchor in 8 fms of water, 50 fms on starboard chain. Bearings: Cape Henry Lt. N. to W., Cape Charles Lt. N. to W., Ship's head N. ¾ W., all p.s.c. Banked fires in boilers A, B, & C, and distilled with D. Av. rev. 48, av. steam 54 lbs.

Joseph Earle,
Ensign, U.S.N.

Examined and found to be correct.

C. F. Piper
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor. Hampton Roads, Va,

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Mov'ng? form.	CLOUDS. Amount, sometimes.	State of the Sea.
A. M.																		
1				West	NNW	1			30.19	64	64	62		bcl	st.cu		7	
2				"	"	1			30.18	64	64	62		"	"		7	
3				ENE	"	1			30.17	64	64	62		"	"		6	
4				"	North	1			30.16	64	62	61		"	"		4	
5				NE×E	"	1			30.15	64	60	58		"	"		5	
6				"	"	2-3			30.14	64	60	58		"	"		4	
7				NE	"	2			30.17	64	61	58		"	a.cu		6	
8				SW×W	"	1			30.19	65	63	59		"	"		5	
9				"	NNE	1			30.20	64	63	58		"	cu		1	
10				West	"	1			30.20	64	62	59		"	"		1	
11				WSW	"	1			30.19	64	64	59		"	"		1	
Noon.				"	"	2			30.18	67	66	60		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Tonk of Mag.
Longitude by ° ' " For Aft
76-77 74-72

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 590 gallons.

Water during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 535 lbs.

Coal remaining on hand at noon, 130 " 160 "

P. M.																		
1				NNW	East	2			30.17	66	66	63		bc	cicu		1	
2				East	"	2			30.17	67	65	63		"	"		1	
3				NE	ENE	2			30.15	67	64	61		"	Fr.cu		1	
4				ENE	"	3			30.15	67	64	61		"	"		1	
5				"	"	3			30.15	67	64	61		"	"		1	
6				"	"	3			30.14	66	63	61		"	"		3	
7				"	"	3			30.14	64	63	61		"	"		4	
8				NE×N	"	3			30.15	64	63	60		"	"		4	
9				"	"	3			30.21	67	64	59		"	cicu		1	
10				NNW	"	3			30.21	66	63	60		"	"		1	
11				NxW	"	3			30.23	67	63	61		"	"		5	
Mid.				"	"	3			30.24	67	63	61		"	"		4	

4-25

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday, May 20th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy, to clear & cold. Gentle to moderate breeze from North & N×W.

T J Tolwy
Lieut. U. S.N.

4 to 8 a.m.
Cloudy & cool. Gentle breeze from N×W. At 6:15 got under way, and stood on course N.W.W.½W and put over the patent log, 5.2.0. A number of vessels and steamers about the entrance of Chesapeake Bay. At 7:30, stopped distilling. Steam 55 lbs., revolutions 44.6.

C W Fahs
Lieut. U.S.N.

8 a.m. to meridian
Fair & pleasant. Moderate to gentle N.W'ly breeze. Barometer steady. Standing in to Hampton Roads. At 9.35 exchanged signals with Cape Henry Signal Station. At 11:48, let go starboard anchor in 12 fathoms of water. Bearings from anchorage, west corner of Wygeia Wharf, N. 36° W. Old Point Comfort Light house, N.24°E. Rip's Head, W.½S., all 4.0 C. Exchanged numbers with "Union". Draft on entering fore, 14'4" "fo'd., 17' aft. Steam 59, rev. 47½ Peoria" in port, 2d fire due out in boilers 4, B.C., reserving B for distilling.

W Sherman
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Light airs & breezes from N.W.W. Barometer falling slowly. About 2:00 the Commdg Officers of the "Union" and "Peoria" called officially on the Commanding Officer of this vessel. About 2:00 Captain Strong, U.S. Army, adjutant of the Post, called officially on the Commdg Officer. The U.S.T.S. Alliance was sighted about 3:30, enroute to port. Punishments awarded by the Commdg Officer: G Thomas, apprentice 3d cl., continued talking at quarters, after having been warned not to talk, 3 hrs extra duty. W C Downs, messman 1st, not answering call and insolence to Paymaster when reprimanded, 2 hrs extra duty.

W J Marion,
Ensign, U.S.N.

4 to 8 p.m.
Fair & pleasant. Light N.W'ly airs. Barometer rising. At 4:20, exchanged numbers with "Alliance". "Alliance" anchored at 4:45. Swinging to ebb tide between 4:45 and end of watch. Following signals during watch: 4:30, Alliance to Essex, Int. 132. Essex to Alliance, affirmative. At 4:50, Alliance to Essex, int. 3.00. Essex to Alliance, affirmative.

W Sherman
Ensign, U.S.N.

8 p.m. to mid night
Clear & cool. Calm to light airs & breezes from N.W. Barometer rising slowly. Riding to ebb tide during watch.

W J Marion
Ensign, U.S.N.

Examined and found to be correct.

E. J. Leiper
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				W × S	ENE	3			30.25	67	63	61		bc	acu		8	
2				"	"	3			30.25	67	63	61		oc	"		10	
3				ENE	"	3			30.24	66	63	61		"	"		10	
4				"	"	2			30.23	66	63	61		bc	cua		8	
5				NE × E	NE × E	2			30.24	66	62	60		"	S		4	
6				"	"	1			30.24	66	64	61		"	cis		3	
7				NE	ENE	1			30.26	66	66	62		"	cicu		3	
8				"	"	1			30.26	66	66	63		"	"		4	
9				NNE	"	1			30.26	66	66	63		"	"		7	
10				West	"	2			30.26	65	65	62		"	"		8	
11				"	East	3			30.26	65	65	62		"	"		8	
Noon.				W × S	"	3			30.24	65	65	63		"	"		7	

Temp. of Mag. For. Aft. 76-74 70-70

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2350 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 129 " 1950 "

P. M.																		
1				W × S	East	3			30.22	66	64	61		bc	atc		7	
2				"	"	3			30.26	66	61	60		oc x	N		10	
3				ENE	"	3			30.26	65	59	59		"	"		10	
4				"	"	4			30.26	65	57	55		"	"		10	
5				"	E × S	3			30.24	64	58	57		o.c.	"		10	
6				"	"	3			30.24	64	58	57		"	"		10	
7				"	"	3			30.24	65	58	57		ocd	"		10	
8				"	"	3			30.24	66	58	57		oc	"		10	
9				"	"	4			30.26	66	57	55		ocd	"		10	
10				West	"	4			30.26	66	56	55		"	"		10	
11				"	"	4			30.26	66	56	55		"	"		10	
Mid.				"	"	4			30.27	66	57	56		"	"		10	

4—2 b

under the command of Commander Frank C. Curtis, , U. S. Navy,

Sunday, May 21st, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy & cool. Light NNW'ly to N'ly airs. Barometer falling. Low water at 2:15. Swinging to flood, 2:30 to 3:00 Moonlight.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant. Light airs & breezes from North. Barometer rising. Wd & Wther left Roads and stood out toward Cabo. Made following signals: 7:10, V to E, Int 9:08. E to U affirmative. Commenced swinging to ebb tide at 7:00. Stopped distilling at 4 a.m. Getting fires out.

Ellery Bell
Ensign, U.S.N.

8 am to meridian
Clear & pleasant. Light airs & breezes from NNE. Barometer falling slowly. At 9:30, divisions mustered at quarters, after which the Commanding Officer inspected the ship and crew. At 9:00 A.M., by order of the Commdg Officer, released from confinement and restored to duty, E. Thomas, app. 3d cl, Interior Department having expired. At 9:40 sighted 2 vessels coming into port, which proved to be the "Amphitrite". Exchanged numbers with the "Amphitrite", and hauled down senior officer's pleasant. At 10:30, the Chaplain held divine service. Lowered down smoke pipe. At 11:20, the "Amphitrite" anchored with foot anchor, 2 points on starboard bow. At 11:22, the Commdg Officer left the ship, to call officially on the Commanding Officer of the "Amphitrite", and returned at 11:30. Riding to ebb tide.

W. J. Mahon,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Light to gentle East'ly to E.N.E'ly breezes. Barometer falling. Low water at 1:15. Swung to flood tide 1:30 to 2:10. The Commanding Officer called officially on the Commanding Officers of U.S.S. Illinois and "Peoria". The "Amphitrite" left for Dewell's Point at 1:30. At 2:00 the former Spanish Cruiser Reina Mercedes came in and anchored. Towed by wrecking tug "Rescue."

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle breezes from E.N.E. Barometer nearly steady. Riding to flood tide.

W. J. Mahon.
Ensign, U.S.N.

8 p.m. to midnight.
Clear, to cloudy & cool. Gentle E.N.E'ly breezes. Barometer rising. Mon light. Hgl water at 8. Ship swung to ebb, 8:10 to 9:20.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				W S W	East	4			30.21	65	57	57		Oed	N		10	
2				"	"	4			30.20	65	57	57		Oer	"		10	
3				"	"	4			30.19	64	57	57		"	"		10	
4				N E x E	"	4			30.20	64	57	57		"	"		10	
5				"	N E	3			30.24	64	57	57		"	"		10	
6				N N E	N N E	3			30.25	64	57	57		"	"		10	
7				"	"	3			30.25	64	58	57		"	"		10	
8				N E x E	N E x E	3			30.30	64	57	57		"	"		10	
9				"	"	3			30.30	64	57	57		Oed	"		10	
10				W x N	"	5			30.33	63	58	57		bef	cu cu		8	
11				"	"	5			30.33	63	59	57		be	"		5	
Noon.				"	E N E	5			30.33	63	59	57		"	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. For. Aft.
Longitude by ° ′ ″ 76-73 69-68

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 1250 lbs.

Coal remaining on hand at noon, 179 " 1500 "

P. M.																		
1				N W x W	E N E	5			30.33	63	60	57		be	cu		5	
2				"	"	4			30.34	62	60	57		"	"		2	
3				E N E	"	4			30.33	62	60	57		"	"		3	
4				"	"	4			30.32	64	59	56		"	"		2	
5				"	"	3			30.31	64	58	57		"	"		2	
6				"	"	3			30.31	64	58	57		"	"		2	
7				"	"	3			30.32	64	58	56		"	Fcu		3	
8				"	"	3			30.32	64	58	55		"	"		4	
9				N E x E	"	3			30.32	65	57	55		"	"		4	
10				N x W	"	3			30.38	64	57	55		"	"		4	
11				W x N	"	3-4			30.39	64	57	54		"	"		5	
Mid.				"	"	3-4			30.39	64	57	54		"	"		6	

under the command of Commander Frank C. Courtis, , U. S. Navy,

Monday, May 22d, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy & cool. Gentle breeze from E.N.E. Began to swing to flood tide at 2:30.

F. J. Drury
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breeze from N.E. & E. falling to light airs, light airs from E.N.E. Barometer rising slowly. Scrubbed hammocks. Rowed sail. Received in Dept. of Sub. & Accounts, fresh provisions as follows: 150 lbs. of bread, 191¼ lbs. meat, 191½ lbs. vegetables.

W. J. Maginnis,
Ensign, U.S.N.

8 a.m. to meridian
Cloudy & cool. Light airs to gentle breezes from E.N.E. to East. Barometer fell slightly. Hyd. water at 8. Swung to ebb tide, 8:18 to 9:20. At 9:25 U.S.S. Lancaster came in and anchored. Furled sail at 9:25. At 9:30 mustered at quarters, no absentees. Armed and away boats for cutting out at 9:45, time 12 min. 2d Period, held divisional drill. The Commdg. Officer called officially on the Commdg. Officer of the Post and of the "Lancaster". Overhauled wheel ropes. Signals: at 8, Essex to Alliance, 684-703. At 8:18, Alliance to Essex, int. 6680; At 8:10, Essex to Alliance affirmative. At 9, Lancaster to Essex, comet, 208; at 9:05, Essex to Lancaster, comet 168.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Overcast, with light rain after one o'clock. Light to gentle breeze from East. Swung to flood tide at 2:10.

F. J. Drury
Lieut. U.S.N.

4 to 8 p.m.
Overcast, cloudy, with light rain. Gentle E. & S'ly breezes. By order of the Bureau of Navigation, discharged Michael Sullivan, and Henry Blocker, apprentices, from the Naval Service, by reason of their being undesirable for the Service. At 4:15 went to quarters and turned in scrubbed hammocks. Chaplain held evening prayers. 3d cutter lost one boat hook.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Overcast, with drizzling rain most of watch. Gentle to moderate breeze from East. Commenced to swing to ebb tide at 9.

F. J. Drury
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, observed.	State of the Sea.
A. M.																		
1				W by S	E by N	4			30.38	64	56	54		be	few		3	
2				"	"	3			30.38	64	56	53		"	"		3	
3				"	"	3			30.37	64	56	53		"	"		3	
4				W by N	"	3			30.37	63	56	53		"	"		1	
5				"	"	3			30.38	63	56	54		"	cir		5	
6				E by S	"	4			30.40	63	57	55		"	"		5	
7				N by E	NE	4			30.40	65	59	56		"	cir		8	
8				"	"	4			30.40	64	59	56		"	"		7	
9				"	"	4			30.40	64	59	56		"	"		6	
10				E by S	"	4			30.42	64	59	56		"	"		6	
11				"	"	4			30.44	65	60	57		"	"		3	
Noon.				"	"	4			30.45	66	61	57		"	"		3	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag
Longitude by ° ' " Fore Aft

Position at noon: { Latitude by observation ° ' " 78-71. 67-67
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 129 " 1050 "

P. M.																		
1				W by S	E by S	3			30.45	66	65	64		be	cir		3	
2				"	"	3			30.45	66	65	62		"	"		3	
3				"	"	4			30.44	66	66	60		"	"		2	
4				E by S	"	4			30.42	64	63	59		"	"		1	
5				"	"	4			30.41	64	62	58		"	"		1	
6				"	"	4			30.40	64	61	57		"	"		1	
7				"	"	4			30.40	64	59	56		"	"		1	
8				"	"	4			30.39	64	58	56		"	"		1	
9				N by E	East	4			30.41	64	58	55		be	fine		0	
10				E by N	"	4			30.41	64	59	55		"	"		0	
11				W by N	"	3			30.40	63	57	55		"	"		0	
Mid.				West	"	3			30.40	63	57	55		be	fair		1	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, April 25th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Overcast & rainy Gentle breeze from East.

C.M. Idaho
Lieut. U.S.N.

4 to 8 am.
Overcast, cloudy & rainy. Moderate breeze from NE to NNE. Barometer rising. Lancaster made sig from & time signal at 7:30

Ralph W. Earle,
Ensign U.S.N.

8 am to meridian.
Overcast & drizzling first half, but clearing weather last two hours. Moderate to stiff breeze from NE & E and E.N.E. At 9.30 went to quarters for inspection, followed by divisional instruction. The Commdg. Officer awarded Wm. Scott, ord. 3rd cl. 16 hrs. extra duty for chewing tobacco. Read for use of ship, 191 lbs. of bread, and 188¾ lbs. each of beef & vegetables. The Commdg. Officer of the "Lancaster" paid an official visit to the Command'g Officer. Shifted topgallant yards to the jack blocks and rove off topgallant yard ropes.

J. F. Leary
Lieut. U.S.N.

meridian to 4 p.m.
Cloudy, to fair & pleasant. Stiff to moderate breeze from East. Exercised with masts & spars.

C.M. Idaho
Lieut. U.S.N.

4 to 8 p.m.
Clear & cool. Gentle breeze from E.N.E.

J. F. Leary
Lieut. U.S.N.

8 p.m. to midnight.
Fair & cool. Gentle to moderate E.N.E'ly breeze.

C.M. Idaho
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, scale 1-4.	State of the Sea.
A. M.																		
1				West	East	3			30.40	62	57	55		be	cu		3	
2				"	"	3			30.39	62	57	55		"	"		3	
3				W x S	"	3			30.38	62	57	55		"	"		3	
4				S W x W	"	3			30.38	62	57	55		"	"		2	
5				E N E	N E	3			30.37	62	57	55		"	"		2	
6				"	"	3			30.41	63	57	56		"	"		3	
7				"	"	3			30.43	63	60	58		"	a cu		4	
8				"	"	3			30.44	64	60	58		"	"		3	
9				N E x E	"	3			30.43	64	65	60		"	"		3	
10				Various	East	3			30.42	64	64	60		"	"		3	
11				"	"	2			30.42	64	64	60		"	"		3	
Noon.				came alongside	"	2			30.42	64	64	60		"	"		3	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Temp of May Fore 71-71 Aft 67-67

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 800 "

Coal consumed during the preceding 24 hours, 3 tons, 180 lbs.

Coal remaining on hand at noon, 126 " 870 "

P. M.																		
1				Moored at dock	East	2			30.42	64	66	60		be	cu		3	
2				"	"	2			30.43	64	67	62		"	"		3	
3				"	"	2			30.40	64	66	61		"	"		3	
4				"	"	2			30.40	64	66	60		"	"		3	
5				"	"	2			30.40	66	66	60		"	"		3	
6				"	"	2			30.40	66	66	61		"	"		3	
7				"	"	2			30.40	66	63	61		"	ci o		3	
8				"	"	1			30.40	66	60	58		"	"		1	
9				"	"	1			30.40	65	57	55		bw	none		0	
10				"	"	1			30.42	65	57	55		"	"		0	
11				"	"	1			30.42	64	57	56		"	"		0	
Mid.				"	"	1			30.42	65	57	56		"	"		0	

4—25

under the command of Commander Frank E. Curtis, , U. S. Navy,

Wednesday, May 24th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & cool. Moderate to gentle E.N.E'ly breeze. Barometer falling slowly. Moored swinging at 3.30.

W. H. Reid
Ensign, U.S.N.

4 to 8 a.m.
Fair & cool. Light breeze from E.N.E and N.E. Recd. for use of crew, 151 lbs. of bread, and 186¾ lbs. each of beef and vegetables. Senior Officer ship. Make time and uniform signal at 7.30.

J. Howey
Lieut. U.S.N.

8 am to meridian.
Fair & pleasant. Light N.E'ly breeze. Captain F.M. Dickins, U.S.N., came on board at 9.00 to inspect the ship. Held inspection of the crew & apprentices at quarters, and the ship. Then bag inspection; followed them, went to Gun Quarters. After exercising, held divisional drills and individual examinations. At 10.30, the "Glacier" put to sea for inspection.

C. McK. Jacks
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle to light E.x.S'ly breeze. Barometer falling slightly. Continued inspection. "Glacier" returned to her anchorage. Captain Dickins, U.S.N. left the ship at 3.45.

W. H. Reid
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breeze from E.x.S. The "Glacier" put to sea at 4.55. Sent down light yards and unbent the sails & stowed the latter below.

C. McK. Jacks
Lieut. U.S.N.

8 p.m. to midnight.
Clear & cool. Light to gentle breeze from East. Barometer steady. Swinging to ebb-tide between 10.20 and 11.10.

W. H. Reid
Ensign, U.S.N.

Examined and found to be correct.

E. J. Leiper.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Morning Horizon.	Amount, eighths.	State of the Sea.
A. M.																		
1				Moored to Dock	Calm	0			30.37	63	53	53		bw	nsac		0	
2				"	"	0			30.36	62	51	51		bm w	"		0	
3				"	"	0			30.35	61	49	49		"	"		0	
4				"	"	0			30.35	61	48	48		bfw	"		0	
5				"	"	0			30.35	59	47	45		bm	"		0	
6				"	Calm	0			30.37	59	47	46		"	"		0	
7				"	"	0			30.38	60	48	46		b	"		0	
8				"	"	0			30.38	62	63	61		bc	cu		00	
9				"	NE	1			30.38	67	68	64		"	fcu		1	
10				"	NNE	1			30.39	69	71	66		"	"		1	
11				"	NExE	2			30.38	64	70	64		"	"		1	
Noon.				"	NE	1			30.38	64	73	67		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag
Longitude by ° ' " Pr. Aft
75-71 67-67

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons. 85 lbs.

Coal remaining on hand at noon, 125 " 785 "

P. M.																		
1				Moored to Dock	NE	1			30.38	65	76	68		bc	cua		2	
2				"	"	1			30.38	66	75	68		"	"		1	
3				"	ESE	1			30.38	68	75	68		"	"		2	
4				"	"	1			30.37	69	75	67		"	"		2	
5				"	SxW	1			30.37	68	75	67		"	"		2	
6				"	"	1			30.34	67	75	67		"	"		2	
7				"	"	1			30.33	67	69	65		"	"		2	
8				"	"	1			30.32	67	66	64		"	"		1	
9				"	"	1			30.31	67	62	59		"	"		1	
10				"	"	1			30.32	67	61	59		"	"		1	
11				"	"	1			30.32	67	59	58		"	"		1	
Mid.									30.32	67	59	58		"	"		1	

4—4 8

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, May 25th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Gentle breezes from East. Barometer falling slowly. Ship riding to ebb tide, bright moon light. At 3:30 Commenced to swing to flood tide.

W. J. Marion,
Ensign, U. S. N.

4 to 8 a.m.
Clear and cool. Gentle N.E'ly breeze. Received Pay Dept. for the crew, Issued provisions as follows: 151 lbs. of bread, 188 3/4 lbs. of meat, and 188 3/4 lbs. of vegetables. At 5:30 lighted fires in all four boilers. At 7:00, "Lancaster" made time & uniform signal.

Ens. W. Bates
Lieut. U. S. N.

8 a.m. to meridian
Fair & pleasant. Light breeze from East. Barometer steady. At 9:30 called all hands up anchor, and stood up towards Norfolk. Draft 13' 4" fwd, 17' aft. Started distilling at 11. Vessel along side of Navy Yard Dock at noon. Let fires die out in boiler B, C & D. Signals during watch, "E to R, 9:30, Int. 121. L to E, Affirmative. Exchanged numbers with "Amphitrite". Made signals as follows: 11:45, Int 2202, A to E. affirmative. Made our number to "Franklin".

W. J. Marion
Ensign, U. S. N.

meridian to 4 p.m.
Clear & pleasant. Light breeze from East. Barometer falling. At 1:20, the Commdg. Officer left the ship to call officially on the Commandant, and returned at 1:35. Hoisted pendant fore flag at fore, and at 2:00 hauled it down, ship having pratique. At 2:00 lowered fore & main top gallant masts. Chief Engineer Smith, from the Navy Yard, came on board to see what work was to be done in the Dept of Steam Engineering. Breasting off ship, to permit lighter to get under crane. About a foot of top gallant yard carried away by Crane in hauling ahead to permit lighter to come between Ship & dock.

W. J. Marion
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breeze & airs from East. Barometer steady. At 7:30, by order of Commanding Officer, confined in double irons, C. K. Coleman, C.M.M. 1st Cl., and M. O'Rourke, blacksmith. They being under the influence of liquor. Unbent sail, finished mooring ship ahead.

W. J. Marion
Ensign, U.S.N.

8 p.m. to mid night
Clear & cool. Light airs from East. Barometer rising, 2d hour, Steady rest of watch.
Moon rose at 8:15.

W. J. Marion
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lt.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1				Moored	Calm	0			30.31	65	59	57		Clear	None		0	
2				"	"	0			30.30	65	57	56		"	"		0	
3				"	W by W	1			30.29	65	57	56		"	"		0	
4				"	"	1			30.28	65	57	56		Clear	"		0	
5				"	Calm	0			30.28	64	56	55		Clear	Pt.		2	
6				"	"	0			30.28	66	57	56		Clear	"		1	
7				"	"	0			30.29	65	60	60		"	"		2	
8				"	"	0			30.29	65	63	62		"	Cl		3	
9				"	W by W	1			30.29	66	72	66		"	"		3	
10				"	"	1			30.28	67	74	67		"	"		3	
11				"	"	1			30.27	69	79	74		"	"		3	
Noon.				"	West	1			30.26	70	84	72		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Temp of Mag
Longitude by ° ' " For Aft
Latitude by observation ° ' " 75-71 67-67
Position at noon: { Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 125 " 185 "

P. M.				Moored														
1				"	S x W	1			30.27	71	84	74		Clear	Ci		2	
2				"	"	1			30.20	72	84	73		"	Ci Cu		3	
3				"	SW	1			30.19	74	85	79		"	"		2	
4				"	"	1			30.16	75	85	78		"	"		1	
5				"	"	1			30.17	76	84	76		"	"		2	
6				"	"	1			30.17	76	82	70		"	"		3	
7				"	"	1			30.18	74	76	70		"	"		4	
8				"	"	1			30.18	75	75	74		"	"		4	
9				"	S x W	1			30.19	76	71	69		"	"		1	
10				"	"	1			30.18	75	70	67		"	"		2	
11				"	"	2			30.17	75	69	67		"	"		3	
Mid.				"	"	3			30.17	74	68	66		"	"		2	

under the command of Commander Frank Courtis, , U. S. Navy,
Friday, May 26th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear, with light mist & fog, cool & calm. Barometer fell slightly. Low water at 3:10

Ralph Earle
Ensign, U.S.N.

4 to 8 a.m.
Clear light fog, low down. Calm. Barometer rising. At 5:30 stopped distilling and let fires die out, keep water hot under boiler A.

W. J. Marion
Ensign, U.S.N.

8 am to meridian
Clear & pleasant. Light airs from NE, & NNE, and light breeze from NE×E. Barometer nearly steady. At 9:30, mustered at quarters, absent without leave J. F. Long, O.C. 1st Cl. First second, third, and fourth divisions, drilled as company, in drilling, skirmish and street riot drill. A board of Survey, of which Lt Commander H. E. Riley, USN was the senior member, came on board to hold a survey in the Equipment Dept. Spars damaged by Construction Dept. of Navy Yard. Read in Dept. of Supplies & Accts. fresh provisions as follows: 151 lbs. beef, 188½ lbs. meat, 188½ lbs. vegetables. Got a Navy Yard lighter on our starboard quarter under crane, and assisted in getting a boiler on it. Six Machinists, and five helpers at work in the dept. of Steam Engineering, from 8 to 12 o'clock. J. Johnson, boiler maker, having been granted 7 days leave of absence, left the ship about 11:30.

W. J. Marion
Ensign, U.S.N.

meridian to 4 pm
Clear & pleasant. Light airs from NE to ESE. Sent down fore & main topsail yards, and landed them on the dock, and also landed the fore & main topgallant masts and topgallant yards. Yard workmen in steam Engineering on board, from 1. Six machinists & five helpers, at work on main bearings, condenser, and air pump. Transferred to Norfolk Hospital for treatment, accounts transferred to U.S.R.S. Franklin. F. Conraughton, fireman, C. and S. A. Dolman, seaman. Discharged from naval service, their discharges having arrived, E. Klammer, boy. mate 1st Cl, F. Ecklino, boy. mate 2d Cl, M. Doran, boy. mate 2d Cl, and A. Lindquist, Boy. mate 2d Cl. R. Selwin, sea. J. J. Murray, cox, left ship on 3 days leave, & R. Becker, on 1 days leave. A Board of Survey, Lieut. W. W. Gilmer, senior member, met at 1 o'clock to survey articles in construction dept.

Ralph Earle,
Ensign, U.S.N.

4 to 8 pm
Clear & pleasant. Light airs from S×W, barometer falling slowly. Sent to sail left in Navy Yard, the foresail, fore & main topsail, spanker and forecastle awning, and stowed the quarter deck awning below in the sail room. At 6:15, by order of Comm'dg. Officer, allowed fires to die out under boiler A.

W. J. Marion,
Ensign, U.S.N.

8 pm to midnight
Clear & cool. Light S×W'ly airs. Moon, rose at 9:05. Kept water at 10:00. E. J. Barrick & B. J. Braun, G.C. 1st Cl, reported for duty on board, from the U.S.S. Lancaster.

Ralph Earle
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieut Comdr, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,
Moored at Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, reduced to	State of the Sea.
A. M.																		
1				Moored	SW	3			30.17	74	66	64		Clr	a cu		2	
2				"	"	3			30.16	74	66	64		"	"		4	
3				"	"	2			30.16	74	66	64		"	"		4	
4				"	"	2			30.16	74	66	64		"	"		3	
5				"	"	2			30.18	75	65	63		"	"		4	
6				"	"	2			30.20	74	66	64		"	s cu		4	
7				"	"	2			30.20	73	68	65		"	c cu		5	
8				"	"	2			30.20	73	71	68		"	"		1	
9				"	"	2			30.20	74	75	70		"	"		1	
10				"	"	2			30.20	75	87	75		Clr	None		0	
11				"	SSW	2			30.20	75	86	75		"	"		0	
Noon.				"	"	2			30.20	77	88	76		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Sea. Max.
Longitude by ° ′ ″ Surface 74-71 68-67

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1350 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 121 " 1975 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, reduced to	State of the Sea.
P. M.																		
1				Moored	SW	1			30.19	84	94	84		Clr	None		0	
2				"	"	1			30.19	83	94	81		"	"		0	
3				"	"	1			30.20	84	92	81		"	"		0	
4				"	"	1			30.20	84	94	81		"	"		0	
5				"	"	1			30.18	83	90	79		Clr	Ci		1	
6				"	"	1			30.20	83	88	78		"	"		1	
7				"	"	1			30.21	82	83	76		"	Cu		1	
8				"	"	1			30.20	84	80	74		Clr	None		0	
9				"	"	1			30.20	80	78	74		"	"		0	
10				"	"	1			30.21	80	75	73		"	"		0	
11				"	"	3			30.22	79	72	72		"	"		0	
Mid.				"	"	3			30.23	78	73	69		"	"		0	

under the command of Commander Frank Courtis, , U. S. Navy,
Saturday, May 27th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & cool. Calms & light airs from W. & W.

T. J. Drury
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Calms. Barometer nearly steady. Received on board, the bags & hammocks of G. I. Barwick, and P. J. Braun, G.Cs, 1st Navy yard workmen came on board about 7.45

Wm. J. Mannon,
Ensign, U.S.N.

8 am. to meridian.
Clear & pleasant. Light W. & W'ly airs. At 10 mustered at quarters, absentees:- J. F. King, S.C. 3d cl, F. H. Ruschman, oiler, and P. J. Maloney, coal passer. L. Becker, Cod, was this day discharged from the Naval Service, his term of enlistment having expired. Workmen in Steam Eng. Dept. aboard till 12, 6 machinists & five helpers, at work on main bearings, condenser & air pump. Fitted water at 11.

Ralph D. Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear & warm. Light breeze from S. & W. & S.W. At 1.25, the "Reina Mercedes" was towed to the Navy Yard & moored under the shears. Same workmen on board, as during forenoon watch. Rigged in flying jib-boom.

T. J. Drury
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Light S'ly airs & breezes. The Commdg Officer awarded the following punishments, C.K. Coleman, C.M.A. 3d cl, and W. O'Rourke, B.K. mate, under the influence of liquor on board ship, 7 days solitary confinement. F. H. Ruschman, oiler, returned from leave 12 hrs overtime. The chaplain held evening prayers. Received in Pay Dept., 142 lbs. of fresh bread, and 177½ lbs. each of fresh meat & vegetables. U.S.S. Annapolis left the yard at 4.30 Low water at 5. Yard workmen as in previous watch. Lifted at 5.

Ralph D. Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light to gentle breeze from S. & W. Moon rose at 9.55

T. J. Drury
Lieut. U.S.N.

Examined and found to be correct.

E. F. Qualtrough,
Lieutenant, U.S.N. Navigator.

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, May 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Fair & pleasant. Gentle to light S'ly breeze. High water at 12:15.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Cloudy, to pleasant. Light S'ly breezes. Barometer rose slightly. Low water at 6:30.

Joseph Earle
Ensign, U.S.N.

8 am. to meridian.
Clear & warm. Light breeze from S'w. W. P. Merchant, S. M. mate, returned from liberty one hour over time. At 9:30 went to quarters for inspection, and found the following men absent over leave: J. P. King, ol. ck. 4th cl., J. J. Maloney, C.P., and A. Connelly, ol. ck. 2nd cl. At 10:15 the Chaplain held Divine Service. The Captain left the ship to pay an official call at the Commdg. Officer of the "Franklin".

T. T. Perry
Lieut. U.S.N.

meridian to 4 pm.
Clear & warm. Light S'ly breezes & airs.

C. M. Fahs
Lieut. U.S.N.

4 to 8 pm.
Clear & warm. Light breeze from S'w. Barometer rising. A. Connelly, ol. ck. 2 cl., returned on board, 1 hr. 15 m. after 4 pm. return of leave. All apprentices turned in their black bags.

E. F. Lyon.
Lieut. U.S.N.

8 pm to midnight
Clear & pleasant. Light to gentle S'ly breeze. J. J. Maloney, C.P., returned from liberty 4 hrs. over time.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Lyon.
Lieutenant, U.S.N. Navigator.

under the command of Commander Frank Courtis , U. S. Navy,
Monday, May 29th , 1899.

AY.

U. S. T. S Essex
Navy Yard Norfolk. Va.
May 29 1899.

The following named Apprentices 3rd class were rated as Apprentices 2nd class by order of the Commanding Officers, and have granted ten (10) days leave of absence to report with bags & hammocks on board the U. S. P. S. Wabash.

H. G. Winchester
F. A. Sanborn
P. Dolzell
T. J. Costello
W. Robinson
E. J. Dolan
H. G. Lewis
H. J. Fortune
P. Boyd
F. Cox
O. E. Hunt
D. J. Power
J. R. Stone
C. R. Halliday
E. S. Nicholson
H. J. Page
E. F. Murray
A. J. Damon
B. Ingham
F. A. Dinsmore
G. V. Miller
W. J. Baker
R. E. Hutchins
N. H. Schlimper
A. G. Vaughn
T. D. Harrison
F. J. McAnulty
W. D. Daugherty
F. L. Platte.
C. Heilberger
H. E. Dockrey
N. E. Jones

U. S. P. S Independence
A. F. Campbell.

Meridian to 4 P.M.

(over)

tredy.

Ensign, U.S.N.

receiving. Rec'd in Bay rat, 2 177 lbs. fresh vegetables.

F. F. Leopler
Lieut. U.S.N.

his day discharged from the ion. Rec'd 9:40 left bord at dock end of watch, 7 Machinists

C. McFalls
Lieut. U. S.N.

on ter falling. The Apprentices ment Dept. following stores: lbs roundline, 80 lbs. manilla, 50 line, 421 lbs. Hemp, 3½" 3 lbs. in various depts.

W. Mitchell
Ensign, U.S.N.

ard work on or board in vicinity ft the ship or are to leave the Commanding Officer having

Ensign, U.S.N.

ing Lighters.

Ensign, U.S.N.

Examined and found to be correct.

F. F. Leopler
Lieutenant

Navigator.

LOG of the UNITED STATES Training Ship Essex 3d **Rate,**

Moored to Dock. Navy Yard. Norfolk.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.
A. M.				
1				Moored
2				"
3				"
4				"
5				"
6				"
7				"
8				"
9				"
10				"
11				In Dry Dock
Noon.				"

Position at 8 A. M. { Latitude by / Longitude by

Position at noon: { Latitude by obser / Longitude by obs / Latitude by D. R / Longitude by D.

Course made good since preceding noon

Distance made good since preceding no

Distance by Log since preceding noon:

Current per hour: m

Position at 8 P. M. { Latitude by / Longitude by

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding

Water (

Water remaining on hand fit for use at

Coal consumed during the preceding 2

Coal remaining on hand at noon,

P. M.				
1				Dry Dock
2				"
3				"
4				"
5				"
6				"
7				"
8				"
9				"
10				"
11				"
Mid.				"

U. S. P. S. Vermont.

F. Stmehcomb. — G. H. Rice

T. G. Locker — F. H. Shannon

T. T. Bolster. — F. Brimrod

J. O Cathcart — P. C. Duval

A. P. Fairbler. — H. T. Martin

A. Dubbel — F. Vetter

O. F. Flank — T. G. Squires

J. M England — P. C. Rogers

C. L. Fries — J. E. Dick

J. P. Powers — T. M. Flattley

P. Pettit — A. F. Vinton

C. Eick. — J. Frazier

C. T. Allan. — J. P. Hutchinson

F. J. Hilling — C. T. Hilling

C. D. Campbell. — F. A. Child.

J. J. Morgan — J. J. Fyfe

D. D. Tuggry — J. P. Freehrist

V. Nuni — C. J. Klein

J. A. Yatis. — P. Overlack

B. Cole — C. T. Knapp

R. T. Smith — G. Williamson

J. Morgan — D. Martelli

C. A. Child — T. Ulmer

C. A. Pursley. — A. Hobert

C. Thomas — J. D. McLaughlin

J. Tucker — A. D. Moon

A. P. Toomey — C. Nilson

"		3		30.22	81	81	72	"	"	0
"		3		30.24	80	78	73	"	"	4
"	S x E	3		30.26	80	76	74	Var	"	4
"	"	3		30.27	78	76	72	"	Cirr	3
"	"	2		30.27	78	76	72	"	"	4

under the command of Commander Frank Courtis , U. S. Navy,

Monday, May 29th , 1899.

AY.

tready.

W. Fletcher Lee
Ensign, U.S.N.

tercising. Fired in Bay
ral, 9 177 lbs. prod. veg. 5 lbs.

C. F. Leyton
Lieut. U.S.N.

his day discharged from the
ion. Set 9.45 left Dock at dock
end of watch 7 Machinists

C. McFaks
Lieut. U.S.N.

ometer falling. The Appropriations
ment Dept., following stores:
lbs. roundline, 6 lbs. manilla, 25
line, 421 lbs. Hemp, 3½" 3 balls.
d various Depts. A. W. Mitchell
W. Fletcher Lee
Ensign, U.S.N.

ved work men on board in various
of the ship or are about to leave
the Commanding Officer having
W. Fletcher Lee
Ensign, U.S.N.

ing. Lightering.
W. Fletcher Lee
Ensign, U.S.N.

U. S. R. S. Richmond.

D. Ashmead
G. V. Leonard
G. Hurst.
P. H. Roach.
E. S. H. Knowles.
W. A. Dawson
M. C. Scott
G. A. Dillinger.
J. Smith
J. J. Bogard
C. D. Helbig
G. R. Splat.
C. J. Roy
G. B. Collard
N. Dr
J. Walker

J. Hagerty.
Wm. M. Bride.
H. H. Gibbs.
W. C. Fisher.
J. J. Divine
J. L. Andrison
F. Howard
J. L. Lonergan
G. A. Gibby.
W. L. Prather.
N. R. King.
E. H. Strohlberg.
M. M. Mleadon
E. T. Hoff
J. Cwelliam.
W. G. Croft.

U. S. R. S. Franklin.

A. Gotz
W. M. Ellis
J. L. Phillips
J. King.
H. E. Hutchinson
O. Crocker.
P. M. Ellis
P. Fritz
G. Kinsel
M. N. Kimmey.

A. Talbot
O. L. Owensdorf.
G. Mause
D. McCahill.
H. H. Kemp
E. K. Hall
W. L. Young.
A. J. Stevenson
H. H. Holt

W. Fletcher Lee
Ensign U.S.Navy

Examined and found to be correct.

C. F. Leyton
Lieutenant Navigator.

LOG of the UNITED STATES Training Ship Essex **3d Rate,**

Moored to Dock, Navy Yard, Norfolk.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1				Moored	S.S.W.	3			30.23	77	76	68		b	none		0	
2				"	"	2			30.23	76	69	67		"	"		0	
3				"	"	2			30.24	76	67	65		bc	cu		3	
4				"	"	2			30.26	76	67	65		"	"		4	
5				"	"	1			30.26	76	66	65		"	"		2	
6				"	"	1			30.27	76	67	66		"	"		2	1
7				"	"	2			30.31	76	70	68		"	"		2	
8				"	"	1			30.32	77	74	72		"	"		2	
9				"	"	2			30.32	78	75	73		"	"		3	
10				"	"	2			30.32	78	80	78		"	"		4	
11				In Dry Dock	"	2			30.29	79	85	79		"	"		6	
Noon.				"	"	2			30.29	79	83	77		"	"		8	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Temp. of Sea For 24 hrs. 74-71 67-67

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 100 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1250 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 124 " 1625 "

P. M.																		
1				Dry Dock	S.S.E.	2			30.29	90	84	78		bc	cu		5	
2				"	"	2			30.29	81	84	78		"	"		6	
3				"	"	3			30.28	84	84	78		"	"		5	
4				"	South	3			30.26	84	84	78		"	"		2	
5				"	"	3			30.25	82	84	78		"	"		3	
6				"	"	3			30.24	82	84	77		"	"		3	
7				"	"	3			30.23	82	83	76		"	"		4	
8				"	"	3			30.22	81	81	74		"	"		6	
9				"	"	3			30.24	80	78	73		"	"		4	
10				"	S.E.	3			30.26	80	76	74		Cel	"		4	
11				"	"	3			30.27	78	76	72		"	cu		3	
Mid.				"	"	2			30.27	78	76	72		"	"		4	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, May 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 4 a.m.
Clear & pleasant. Light breezes & airs from S. S. W. Barometer steady.

W. Fred Lee
Ensign, U.S.N.

4 a.m. to 8 a.m.
Clear & pleasant. Light airs & light breezes from S. S. W. Barometer rising. Rec'd in Pay Dept for use of crew, 142 lbs. of fresh bread, 177½ lbs. fresh meat, & 177½ lbs. fresh vegetables.

F. F. Leyden
Lieut. U.S.N.

8 am to meridian.
Clear & pleasant. Light S. S W breeze. The following men were this day discharged from the U. S. Naval Service: D. Delvin, seaman, and J. S. Murray, coxswain. The 9.40 left Cavite at dock and by 10:20 hauled into dry dock. Dock being pumped out at end of watch. 7 Machinists and 6 helpers at work in Engineers Dept.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Light to gentle breeze from S. S E to South. Barometer falling. The 4th prisoners left the ship, having been granted 10 days furlough. Rec'd in Equipment Dept. following stores: 175 lbs ratline stuff, 18 thread, 280 lbs rat hitch stuff 21 thread, 82 lbs. roundline, 96 lbs. manilla, 15 thread, 69 lbs. seizing stuff 6 thread, 179 lbs. spunyarn, 56 lbs marline, 421 lbs. Hemp, 3½" 34 lbs. 3" 175 lbs. 2¼" 894 ft. manilla, 3". Yard workmen on board in various depts. A. W. Matthews (Chief Yeoman) Reported for duty as Pay Yeoman.

W. Fred Lee
Ensign, U.S.N.

4 to 8 p.m.
Fair & pleasant. Gentle breeze from South. Barometer falling. Yard workmen on board in various depts. until 5 o'clock. F. Wright, mate 2 cl, and G. Handley, Ord, left the ship on sick list to leave of absence. J. J. Seip, ASC was discharged by order of the Commanding to leaving & purchased the same.

W. Fred Lee
Ensign, U.S.N.

8 p.m. to midnight.
Fair & pleasant. Gentle breeze from South & S. & E. Barometer rising. Lightning.

W. Fred Lee
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leyden
Lieutenant

Navigator.

LOG of the UNITED STATES Training-Ship Essex 3d Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale of 10.	State of the Sea.
A. M.																		
1				Dry dock	South	2			30-26	78	74	71		o-cr.	nim		10	
2				"	"	2			30 26	78	72	70		"	"		10	
3				"	"	2			30 25	78	71	69		o-c.	"		10	
4				"	S. W.	1			30 24	78	70	69		lt.	S.cu		8	
5	30 all hands.			"	S.S.E.	1			30 26	77	71	70		"	"		6	
6				"	"	1			30 30	77	71	70		"	cicu		5	
7				"	S. W.	1			30 31	77	72	70		"	"		4	
8				"	"	1			3031	77	74	72		"	"		3	
9				"	"	1			3031	78	77	74		"	cu		3	
10				"	South	1			3030	79	84	77		"	"		4	
11				"	"	1			3029	80	84	77		"	"		4	
Noon.				"	"	1			3028	80	84	77		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Temp. Mag.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 75-71 68-67
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1950 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 124 " 1075 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale of 10.	State of the Sea.
P. M.																		
1				Dry dock.	South	2			30 28	80	86	79		b-c.	cu.		5	
2				"	S. S.W.	2			3027	81	86	79		"	"		4	
3				"	"	2			3025	82	87	79		"	"		3	
4				"	"	2			3023	83	87	78		"	"		3	
5				"	"	2			3023	83	87	78		"	cicu		4	
6				"	"	2			3023	83	86	78		"	"		5	
7				"	"	1			3023	83	83	78		"	"		4	
8				"	"	1			3023	83	82	78		"	"		4	
9				"	"	1			3023	82	78	75		b.	fine		0	
10				"	"	1			3024	81	77	75		"	"		0	
11				"	"	1-2			3025	81	75	73		b-c.	S.		3	
Mid.				"	"	2			3024	80	74	72		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday May 30, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 4 A M. Cloudy and rainy. Light breezes and airs from South and S. W. Barometer falling.

W. F. Lee
Ensign, U S N.

4 to 8 A.M. Fair and pleasant. Light airs from S.S.E. Barometer rising. Chaplain C.H. Park, U.S. Navy, was granted 7 days leave of absence

W. F. Lee Ensign, U S N.

8 A.M. to Meridian. Received in the Department of Supplies and Accounts the following fresh provisions: 60 lbs of meat & 66 lbs vegetables. At 9.30 called all hands to muster. Absent without leave, J. F. King (S.C. 4 c). Received on board from the U.S.R.S Vermont, the following men with bags and hammocks: Lt. J. Hennessey (Hosp. app) E. Watts (Ship Mt.), and E. H. Thornette (Yeo. 3 c). P.N. Nulsen (Q.M. 3 c) left the ship having been granted 5 days leave of absence. Lieut. Dewey left the ship on one / weeks leave of absence.

W. J. Manon.
Ensign, U.S.N.

Meridian to 4 P.M. Clear and pleasant, light breezes from S. & S.S.W. Barometer falling slowly

W. J. Manon
Ensign, U.S.N.

4 to 8 P.M. Clear and pleasant. Light airs and breezes from S.S.W. Barometer rising. By order of Bureau of Navigation discharged R. Simis (Yeo. 3 c) this day.

W. J. Manon
Ensign, U.S.N.

8 P.M. to Midnight. Clear and pleasant. Light airs and breezes from S.S.W. Barometer nearly steady

W. J. Manon
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex, 3d Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, asketch.	State of the Sea.
A. M.																		
1				Dry dock	S.S.W.	1			30.24	80	74	72		bc.	S.		5	
2				"	"	1			30.23	80	73	72		"	"		5	
3				"	"	1			30.23	80	72	71		"	"		3	
4				"	"	1			30.28	80	72	71		"	a.cu		4	
5				"	"	1			30.25	79	69	65		"	as		6	
6				"	"	1			30.25	79	70	69		"	"		7	
7				"	"	1			30.25	79	72	70		"	cu		3	
8				"	"	1			30.25	75	72	71		"	"		3	
9				"	"	1			30.24	78	74	71		"	"		3	
10				"	"	1			30.24	79	80	78		"	"		5	
11				"	"	1			30.23	80	81	79		"	"		5	
Noon.				"	"	1			30.22	82	84	80		"	"		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.

Position at noon: Latitude by observation ° ′ ″ 75-72 67-68.
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 124 " 625- "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, asketch.	State of the Sea.
P. M.																		
1				Dry dock	S.S.W.	1			30.22	84	87	79		bc.	cu		5	
2				"	"	1			30.20	85	89	79		"	"		6	
3				"	"	1			30.18	85	89	79		"	"		5	
4				"	"	1			30.17	86	89	79		"	"		5	
5				"	"	1			30.19	86	88	78		"	cu		8	
6				"	"	1			30.12	85	87	78		"	cu-n.		8	
7				"	"	1			30.14	84	85	80		"	"		7	
8				"	"	1			30.15	84	83	78		bcl	cu-s		7	
9				"	"	1			30.15	84	83	77		bc.	"		7	
10				"	"	1			30.16	84	80	77		b.c.b.	"		7	
11				"	SW.	2			30.16	84	79	77		"	"		8	
Mid.				"	West.	4			30.16	84	78	76		o.c.l.	nim		10	

4—2 s

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday May 31 st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Clear and pleasant, light airs from S S W.

Barometer nearly steady

W. J. Manion,
Ensign, U S N.

4 to 8 A. M.

Clear and pleasant. Light airs from S S W. Barometer rising first hour. Received in the Department of Supplies and Accounts the following fresh provisions: 513 lbs meat, 513 lbs vegetables, 42 lbs bread. Commenced ratling down shrouds. Workmen came on board about 8.

W. J. Manion,
Ensign, U S N.

8 A. M. to Meridian.

Fair and pleasant. Light S S W'ly airs. Lieut. E. E. Wright left the ship on leave of absence for two weeks, and Lieut. C. M. Fahs, for one week. R. N. Hudson, a. 2. c., reported on board with bag and hammock from U. S. S. Constellation. 7 machinists and 6 helpers on board till 12, in the Dept of Steam Engineering; also workmen in Construction Dept; at work scraping ship's bottom. At 8.15 mustered the crew; absent J. F. King, S. C 4 c. Received in Equip. Dept. (Nav) from General Storekeeper, 1 Aneroid barometer to replace one condemned by survey; and in the Equipment Dept; 5 0 corn brooms, 6 0 car brushes, 62 yds canvas No 4, 93 yds cotton canvas No 4, 15 0 sail needles, 23 lbs rigging leather, 50 lbs lye, 30 lbs cleaning paste, 36 palms, 2 pr. pliers, 2 gr. pens, 6 rubber erasers, 1 ream note paper, 500 envelopes, 3 doz, pencils, 1 ream official paper, whole sheet, 1 boxwood rule, ½ ream official paper, ½ sheet; In Construction Dept: 6 varnish brushes, 36 round Paint brushes, 12 sash tool brushes, 15 yds fearnaught cloth, 12 glass lights, 31 pad locks, 6 doz. cup hooks, 10 lbs nails - copper rod, 4 gr screws, 15 lbs brass wire, 1 gr. machine screws, 2 lbs coachenspins, 40 ft bolt copper, 150 lbs. Ironbar flat, 75 lbs Ironbar round, 10 lbs. solder soft, 5 lbs spelter solder, 30 gals. alcohol, 5 gals. Japan drier, 50 lbs yellow ochre dry, 250 lbs white paint, 250 lbs lampblack in oil, 75 lbs gum shellac, 15 gals turpentine, 50 lbs yellow ochre in oil, 50 lbs red ochre in oil, 100 lbs venetred dry, 100 sheets sand paper, 100 sheets emory cloth. Crew engaged in ratling down rigging and putting stores aboard.

Ralph Earle,
Ensign, U S N.

Meridian to 4 P M.

Cloudy and pleasant, light S S W'ly airs. Sent H. T. Briggs, C. M. a. A. to the Naval Hospital, Norfolk, for treatment. By order of the Bureau of Navigation, J. Peirce, Lt. U. S. N., was granted 10 days leave of absence from today. Yard workmen as in forenoon watch aboard from 1 to 5. Crew ratling down lower rigging.

Ralph Earle,
Ensign, U. S. N.

4 to 8 P M.

Cloudy and pleasant light S S W'ly airs. Received from Naval Laboratory Washington, in Medical Dept 9 boxes Medical supplies.

Ralph Earle,
Ensign, U S N.

8 P M. to Midnight. Cloudy with lightning to Northd. Light S S W'ly breezes, and S W'ly airs, followed by Moderate W'ly breezes.

Examined and found to be correct.

Ralph Earle.
Ensign, U. S. N.

E. F. Leiper,
Lieut Navigator.

APPROVED.

Frank Courtis
COM'D'R., U. S. N., COM'D'G.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				Dry dock	West.	1			30.22	82	71	70		o.r.t.l.	N.		10	
2				"	Calm	0			30.19	81	70	69		o.d.l.	"		10	
3				"	"	0			30.13	81	70	69		o.c.	a-s		10	
4				"	South	1			30.12	81	70	69		"	"		10	
5				"	Calm	0			30.15	79	69	68		l.c.	cu-s		7	
6				"	South	1			30.16	79	69	68		"	"		8	
7				"	S.W.	1			30.19	79	70	69		"	a-cu		7	
8				"	"	1			30.19	77	73	72		"	"		6	
9				"	"	1			30.18	78	78	76		"	cu		1	
10				"	"	1-2			30.18	79	81	77		"	"		1	
11				"	"	2			30.18	80	84	78		"	"		1	
Noon.				"	W.S.W.	2			30.17	81	86	79		"	"		1	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 76.73 70.71
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set , true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 124 " 175 "

P. M.																			
1				Dry dock	W.S.W.	1			30.16	83	89	82		l.c.	ci-cu		1	
2				"	"	1			30.14	83	89	82		"	"		3	
3				"	"	1			30.12	84	89	84		"	"		3	
4				"	"	1			30.10	85	90	87		"	"		4	
5				"	"	1			30.10	85	90	86		l.c.	"		6	
6				"	"	1			30.10	84	87	84		l.c.r.	s.cu		7	
7				"	"	1			30.11	83	79	77		l.c.r.l.	cu-n		7	
8				"	S.W.	1			30.12	82	77	75		"	"		7	
9				"	"	1			30.17	82	77	75		o.c.r.l.	nim		10	
10				"	North	2			30.20	80	77	76		"	"		10	
11				"	West	2			30.21	80	68	68		"	"		10	
Mid.				"	"	2			30.20	80	68	68		"	"		10	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday June 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Overcast and cloudy, with heavy rain, lightning and thunder, first half. Light variable airs to calms.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy. Light variable airs and calms. Received in Pay Dept. 47 lbs fresh meat and 51 1/2 lbs fresh vegetables.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and warm. Light S.W'ly airs and breezes. Barometer steady. At 8.15 held muster. J. F. King (S.C.4.C.) absent without leave. By order of Commanding Officer, and in accordance with orders from Bureau of Navigation, transferred to U.S.R.S. Franklin with bags, hammocks and necessary papers, W. J. Stephenson (W.R.Cook), and F. Matsuda (Cabin Cook). Received in Equipment Dept. the following stores: 50 assorted thimbles and 2 gr. safety matches. Hoisted out and landed on dock steam launch Nile. Yard workmen on board in Dept. of Steam Engineering and Construction. Received from U.S.R.S. Vermont transfer papers of the following men: A.L. Hennessey (Hosp. App. 1 C), and F. Thornette (Yeo. 3 C), and C. Watts (Ship. Wt.), and from U.S.R.S. Franklin, Continuous Service Artificate #190-73, of A. V. Wittmeyer (Ch. Yeo).

W. Courtis
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and warm. Light W.S.W. airs. Barometer falling. Yard workmen on board in Dept of Steam Engineering and Construction. A board of survey of which Commander Niles was senior member, met on board to survey articles in Equipment Dept.

W. Courtis
Ensign, U.S.N.

Received from U.S.S. Constellation transfer papers of R. R. Anderson (Ap. 2 C).

4 to 8 P.M.

Cloudy. Thunder and lightning last three hours with heavy rain squalls the third hour. Received from U.S.R.S. Franklin with bag, hammock and necessary transfer papers, Tamura Kanesuke (Cabin Cook) F. G. Rogers (W.T.) left the ship on seven days leave of absence.

W. Courtis
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast. Heavy rain, accompanied by thunder and lightning. Light airs and breezes from N. to S.W. Barometer rising first hour, steady last three hours.

W. Courtis
Ensign, U.S.N.

Renewal of six months' ~~leave~~ ~~of~~ ~~absence~~ acting appointment of Michal John Joseph Curley, (Bo. Mate 2d class.)

Frank Courtis
COMD'R, U.S.N., COM'D'G.

Examined and found to be correct.

F. F. Lemon.
Lieut. U.S.N. & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion of.	CLOUDS. Amount, scale 10-10.	State of the Sea.
A. M.																		
1				Dry dock	W.S.W.	1			30 18	80	67	67		b.c.	S.cu.		8	
2				"	"	1			30 17	80	67	67		"	"		8	
3				"	"	1			30 16	80	67	67		"	"		7	
4				"	"	1			30 14	79	67	67		b.c.	"		7	
5				"	"	1			30 15	79	67	66		"	"		5	
6				"	S.W.	1			30 17	79	68	67		"	ci		2	
7				"	"	1			30 18	80	71	70		"	"		2	
8				"	"	2			30 18	75	71	70		"	"		1	
9				"	"	1			30 18	79	74	72		"	cu.		3	
10				"	"	1			30 18	79	78	74		"	s-ci		5	
11				"	West	1			30 18	81	79	76		"	fr-cu		4	
Noon.				"	"	1			30 18	81	84	79		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 76-74 78-73
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1150 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 123 " 1725 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion of.	CLOUDS. Amount, scale 10-10.	State of the Sea.
P. M.																		
1				Dry dock	West	2			30 15	80	84	79		b.c.	a-cu.		6	
2				"	"	2			30 13	81	85	79		"	"		5	
3				"	"	2			30 14	81	82	79		b.cl.	cu-cl.		5	
4				"	N.W.	2-3			30 18	81	80	76		b.clp.	"		4	
5				"	"	1			30 14	80	80	76		"	"		6	
6				"	"	1			30 14	80	78	76		b.c.	"		5	
7				"	"	1			30 14	80	77	75		"	"		6	
8				"	"	1			30 14	79	77	75		"	"		6	
9				"	calm	0			30 15	79	75	74		b.clp.	cl.		7	
10				"	"	0			30 15	79	74	73		b.cl.	"		5	
11				"	N.W.	1			30 17	79	73	72		"	S.		3	
Mid.				"	calm	0			30 17	79	72	71		"	"		3	

4—8 5

under the command of Commander Frank Courtis, U. S. Navy,

Friday June 2nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M
Cloudy and raining. Light W & NW airs. Barometer falling
W J Mannion
Ensign, U S N

4 to 8 A M.
Fair and pleasant. Light airs and breezes from NW & W - S W. Barometer rising.
W J Mannion
Ensign, U S N

8 A M to Meridian.
Clear and pleasant. Light airs from S W and West. Barometer steady. At 9.20 by order of the Commanding Officer, placed in confinement in double irons to await investigation, J J Malobey (C C P) he having been under the influence of intoxicating liquor on board ship. At 8.15 held muster. Absentees: J H Coslain (Ch Mch), and J F King (S C 4 C) Cook on board and placed in steam launch, a boiler from Navy Yard. Received in the Dept of Supplies and Accounts the following fresh provisions: 514 lbs meat; 514 lbs vegetables. Overhauling blocks and falling down lower rigging. Work on Battery during present week: Ran in all the guns of the Main Battery, turned over in slide and cleaned all parts + drawed hydraulic cylinders and cleaned piston rods and springs. Refilled hydraulic cylinders, each set of cylinders contains 20½ pts - dismounted all the guns of the Secondary Battery, unscrewed guns out of sleeve, cleaned gun and sleeve, cleaned piston and spring, overhauled packing and stuffing box and refilled hydraulic cylinder. Cylinder of 6-Pdr. contains 4½ pts - 1 pdr 3 pts. Yard workmen on board from 8 00 in Dept Steam Engineering, 6 mach., 4 helpers and 8 labbers. Yard workmen at work on propeller, shaft and outside of ship generally.
W J Mannion
Ensign, U S N

Meridian to 4 P M.
Clear and pleasant with thunder and passing showers last half of watch. Light breezes from the West increasing to gentle breezes in squalls from N W. Barometer falling slowly. Received from the General Storekeeper in the Dept of Equipment: 2 hand lead lines 30 fath. each, 1 black running light, green, 2 doz. hand lantern globes, 5 lbs spun yarn, 6 lbs gun cotton, 6 porcelain shades, 4 lbs gun canvas, 5 lbs cotton waist. By order of Commanding Officer, released from confinement and restored to duty W. Rourke (Bth Smith), and C A Coleman (C M 1 C) their terms of confinement having expired. Received on board from U S S Vermont and Washington Navy Yard respectively, white bags and hammocks. J A Sheehan (A C 2) and A Kelly (Cox) Overhauling blocks and finished rattling down lower rigging. At 3.30 J H Coslain (Ch Mch), 8½ hours over liberty, returned on board in charge of a master at arms having been confined at the Navy Yard gate since 7.15 A M for being under the influence of liquor. At 2.30 L H Case (Yeo 3 C) and E Wheeler (Ch Yeo) left the ship on leave, each having been granted ten days leave of absence, by Bureau of Navigation.
W J Mannion
Ensign, U S N

4 to 8 P M.
Generally clear, with thunder and passing showers first hour. Light airs from N W. Barometer steady. E Dunham (Sea) and J Christenson (Sea) left the ship, having been granted 7 days leave of absence. A Cordley (S C 2 C) was absent from the ship without authority from 3 00 until 4.45 P M. Rourke (B S) and C A Coleman (C M 1 C) were transferred from this ship to the U S S Franklin Navy Yard workmen left ship at 5 00.
W J Mannion
Ensign, U S N

8 P M to Midnight.
Generally overcast. Passing showers and lightning. Calms and light airs from N W. Barometer rising.
W J Mannion
Ensign, U S N

Examined and found to be correct.
F F Lieper
Lieut U S N Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1				Dry dock	Calm	0			30.17	79	72	71		bc.	S.		2	
2				"	"	0			30.17	79	73	71		b.	none		0	
3				"	"	0			30.16	78	73	71		"	—		0	
4				"	"	0			30.16	78	75	71		"	—		0	
5				"	"	0			30.16	78	72	71		bc.	ci.		2	
6				"	North	1			30.19	78	71	70		"	"		2	
7				"	"	1			30.22	79	73	72		"	"		2	
8				"	"	1-2			30.23	78	74	73		"	"		1	
9				"	"	2			30.23	78	77	74		"	"		1	
10				"	"	2			30.23	78	79	75		"	"		1	
11				"	"	1			30.23	79	79	75		"	ci-cu		2	
Noon.				"	"	1			30.23	80	82	77		"	"		5	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Mag Temp. For. 77-75 Aft. 75-74.

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 123 " 1875 "

P. M.																		
1				Dry dock	N. E.	1			30.23	81	82	78		bc.	cu-ci		3	
2				"	"	1			30.23	81	81	76		"	"		3	
3				"	"	1			30.24	78	78	75		"	"		3	
4				"	"	1			30.24	78	77	74		"	"		2	
5				"	E. N. E.	1			30.22	78	78	74		"	Cu.		1	
6				"	"	1			30.23	78	77	73		"	"		2	
7				"	S. E.	1			30.23	78	76	73		"	"		4	
8				"	East	1			30.22	78	74	72		"	"		1	
9				"	S. E.	1			30.24	76	72	71		b.	none		0	
10				"	"	1			30.25	76	72	71		"	"		1	
11				"	"	1			30.25	76	70	69		"	"		0	
Mid.				"	"	1			30.26	76	69	67		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday June 3rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally clear and pleasant. Calm. Barometer falling slowly.

W. J. Mannix,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Calm, light airs increasing to light breezes from North. Barometer rising.

W. J. Mannix.
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light North Ly airs and breezes. At 8.15 mustered crew; absentees J. F. King (S.C. 4 C.) and B. Williams (M. At.). By order of Commanding Officer placed J. J. Maloney (C.P.) in solitary confinement on bread and water for 5 days, for being under the influence of liquor on board ship. F. H. Ruschman (Able) was brought on board, drunk, by corporal of the guard at the main gate, and by order of Lieutenant Officer, he was placed in double irons to await action for leaving the ship without authority. M. D. Sullivan (Fdsm) and J. Meagher (Fdsm 1 C) left the ship on leave of absence for 7 days. Yard workmen aboard in Dept of Steam Engineering from 8 to 12, at work cleaning condenser, repairing outboard valves and connections, stern tube, and steam launch. Received in Pay Dept: 5 1/2 lbs fresh beef, 5 1/2 lbs fresh bread, and 41 lbs vegetables.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant, light N. E. Ly airs. S. M. Wesley (S.C. 4 C.) left the ship on leave of absence for 7 days; and by order of Bureau of Navigation, M. Anderson (B.M. 2 C.) and A. T. Weberg (Fdsm) went on leave for 10 days. At 3. discovered by a muster and by searching ship, that J. A. Stimman (Able), J. J. Quinlan (Fdsm 1 C) and J. O'Brien (Fdsm 4 C.) were absent from the ship without authority. Yard workmen aboard from 1 to 5, as in previous watch.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant, light variable airs. At 4.50 found J. J. Quinlan (Fdsm 1 C.) to be on board and tight, and by order of Commanding Officer, placed him in confinement to await action. Received in Pay Dept for use of crew, 5 1/2 lbs fresh beef, 5 1/2 lbs fresh bread, and 41 lbs of vegetables.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light S. E. Ly airs.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, reduced to 10.	State of the Sea.
A. M.																		
1				Dry dock	W.N.W.	1			3025	78	68	67		b.w.	none		0	
2				"	calm	0			3024	77	67	66		"	"		0	
3				"	"	0			3022	77	66	65		"	"		0	
4				"	"	0			3021	77	65	65		b.w.	cu.-s.		1	
5				"	"	0			3022	77	66	65		b.c.	"		3	
6				"	"	0			3024	76	66	65		"	"		3	
7				"	"	0			3026	75	69	67		"	cu.		3	
8				"	"	0			3028	75	72	69		"	"		2	
9				"	E.N.E.	1			3028	76	76	73		"	cu.-s.		3	
10				"	"	1			3030	76	75	73		"	"		2	
11				"	"	2			3030	77	80	74		"	"		2	
Noon.				"	"	1			3030	78	83	77		"	"		2	

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″ Mag. Temp. For. Cast. 77-75 75-75

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 850 "

Coal consumed during the preceding 24 hours, tons, 4500 lbs.

Coal remaining on hand at noon, 123 " 825 "

P. M.																		
1				Dry dock	East.	2			3029	80	85	80		b.c.	cu.		1	
2				"	"	2			3028	80	86	80		"	"		1	
3				"	"	2			3028	80	86	80		"	"		1	
4				"	"	2			3027	80	81	76		"	"		1	
5				"	"	2			3027	80	80	76		"	"		1	
6				"	"	2			3027	79	78	76		"	"		1	
7				"	"	2			3027	78	77	75		"	"		2	
8				"	"	1			3027	75	77	75		"	"		2	
9				"	calm	0			3029	78	74	70		b.	none		0	
10				"	"	0			3030	78	72	70		"	"		0	
11				"	"	0			3030	77	71	69		"	"		0	
Mid.				"	"	0			3031	77	70	69		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Sunday June 4th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Light W.N.W'ly airs and calms.
Ralph R. Earle,
Ensign, U.S.N.

4 to 8 A.M.
Clear, pleasant; and calm. P.M. Nelson, G.M.s.c. returned from leave.
Ralph R. Earle,
Ensign, U.S.N.

8 A.M. to Meridian.
Clear and warm. Light B.N. Airs and breezes. Barometer steady. At 9.00 held muster; absentees: J. A. Steinman (Cler), J. O'Brien (F.C.), L. M. Galvin (Cler), and B. Williams (M. At.) By order of Commanding Officer F. A. Ruschman (Cler), was placed in confinement for 10 days, for leaving the ship and yard without permission and being brought back on board by a marine guard, drunk. Offered reward of 2 each for delivery on board of following mig men: J. A. Steinman (Cler), J. O'Brien (F.C.) and B. Williams (M. At.)
Wm. R. Shaw
Ensign, U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light breezes from East. Barometer falling. Local society Christian Endeavor held Service on board ship. E. Borgerson (Mach. 1.C.) and E. Duncan (Fole.) left the ship on 10 days leave of absence By order of Commdg Officer J. F. King was declared a deserter from May 26, 1899.
Wm. R. Shaw
Ensign, U.S.N.

4 to 8 P.M.
Clear and pleasant. Light breezes from East. Barometer steady. G. Handley, (Sea.) returned from leave of absence.
Wm. R. Shaw
Ensign, U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Calm. Barometer rising.
Wm. R. Shaw
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, reduced to	State of the Sea.
A. M.																		
1				Dry dock	Calm	0			30.31	77	70	69		bc	Nme		0	
2				"	"	0			30.31	77	70	69		"	"		0	
3				"	"	0			30.32	76	70	68		"	"		0	
4				"	"	0			30.32	76	70	68		"	"		0	
5				"	"	0			30.30	76	70	68		"	cu		2	
6				"	"	0			30.30	77	71	69		"	"		3	
7				"	"	0			30.31	76	71	69		"	cu		3	
8				"	"	0			30.33	76	76	73		"	"		1	
9				"	"	0			3033	79	76	75		"	"		1	
10				"	S. W.	1			30.32	79	83	78		"	"		2	
11				"	"	1			30.32	79	84	79		"	"		2	
Noon.				"	"	1			30.31	80	88	81		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 76-75 75-75

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 700 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 128 " 975 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, reduced to	State of the Sea.
P. M.																		
1				Dry dock	S. S. W.	1			30.30	82	90	82		bc	Fr Cu		2	
2				"	"	2			30.28	83	89	80		"	"		1	
3				"	"	2			30.26	84	89	80		"	"		1	
4				"	"	2			30.25	85	89	79		"	"		1	
5				"	"	2			30.25	85	89	78		"	"		1	
6				"	"	1			30.24	85	88	78		"	"		1	
7				"	Calm	0			30.23	84	86	76		"	"		1	
8				"	"	0			30.22	83	86	76		"	"		9	
9				"	"	0			30.26	83	82	79		bc	Nme		0	
10				"	S. S. W.	1			30.28	83	80	78		"	"		0	
11				"	"	1			30.28	82	78	76		"	"		0	
Mid.				"	"	1			30.28	82	77	75		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday June 5, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calm. Barometer rising slowly

Walter J. Mamon
Ensign, U.S.N.

4 to 8 A.M.

Clear, hazy, last two hours calm. Barometer steady. Received in Dept. of Supplies and Accounts, 41 lbs. fresh bread. F. [illegible] (M.A.A.C) returned from leave of absence.

Walter J. Mamon
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Calm and light airs from S.W. Barometer falling slowly. Mustered at 8.15. Absentees J. A. Steiman (Alex) J. O'Brien (F.I.C.), B. Williams (M. Att.), C.M. Gahn (Acc.). Crew at work rattling down topmast rigging. W. Zachary (M. Att.) left the ship, having been granted 7 days leave of absence. Sent down lifts, braces, sheets, and commenced by survey. Received in the Dept. of Supplies and Accounts, the following fresh provisions: 50 ½ lbs. meat, 50 ½ lbs. vegetables. "Mercedes" shifted her berth to our first berth, next to this dry dock. Workmen on board in Dept. of Steam Engineering:- 6 machinists and 6 helpers; same up to 5 P.M. Yard workmen at work on outside of ship.

Walter J. Mamon
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light airs and breezes from S.S.W. Barometer falling. Gen. E. Thompson (Late) was transfered to the Naval Hospital with bag, hammock and necessary papers. The effects of J. F. King (F.C.I.C.), deserter, were sold at auction and the sum of $2.20 was realized therefrom. Received on board in Equipment Dept. 260 gals. lard oil. J. A. Manning (F.C.I.C.) left the ship, having been granted 10 days leave of absence. Sent following condemned running rigging, to rigging loft to save fittings: 2 fore and 2 main top-gallant lifts, 2 fore and 2 main top-gallant foot ropes, 2 fore and 2 main topsail lift foot-ropes, 2 fore and 2 main royal lifts and braces, 2 fore and 2 main top-gallant braces (whips and runners), 2 topsail yard parels.

Walter J. Mamon,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light breezes and airs from S.S.W. falling to calms. Barometer falling slowly. Turned in to Storekeeper of Navy Yard, 4 Holchkiss Rifles (1.500) 1 Remington Rifle (Cal. 22) condemned by board of survey. Work done in Ordnance Dept. this day: lifted 4 inch gun out of trunnion seats (Nos. 113, 117, 145, 146, 147, 164.) Cleaned trunnions, and cap squares, overhauled elevating shaft worm, and springs, and then reassembled battery. Yard workmen left ship at 5.00.

W. J. Mamon
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Calm and light airs from S.S.W. Barometer rising first part.

W. J. Mamon
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leper,
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eastwards.	State of the Sea.
A. M.																		
1				Dry dock	S.S.W.	1			3028	82	77	75		b	None.		10	
2				"	"	1			3028	82	76	74		"	"		10	
3				"	"	1			3027	82	76	74		"	"		10	
4				"	"	1			3027	82	76	74		"	"		10	
5				"	Calm	0			3028	82	76	74		"	"		0	
6				"	S.S.W.	1			3030	81	74	72		"	"		10	
7				"	"	1			3031	79	76	74		"	"		10	
8				"	"	1-2			3031	80	76	76		"	"		10	
9				"	S.W.	2			3030	82	82	79		"	"		10	
10				"	"	2			3030	84	84	79		"	"		10	
11				"	"	2			3029	85	86	79		be	cu		3	
Noon.				"	"	3			3029	85	90	82		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.
Position at noon: { Latitude by observation ° ′ ″ 76-75 75-74
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 5-50 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 122 " 20'75 "

P. M.																		
1				Dry dock	West	1			3028	87	94	84		be	cu.		3	
2				"	"	1			3027	88	94	84		"	"		2	
3				"	"	1			3026	88	93	84		"	"		2	
4				"	S.W.	1			3024	88	93	84		"	"		2	
5				"	West	2			3022	89	92	84		b	None		0	
6				"	W.S.W.	1			3022	89	91	85		"	"		0	
7				"	Calm	0			3022	88	90	86		be	ci.		1	
8				"	S.S.W.	1			3022	87	87	82		"	ci-cu		4	
9				"	Calm	0			3023	87	86	80		b	None		0	
10				"	"	0			3024	86	85	80		"	"		0	
11				"	"	0			3025	86	82	79		"	"		0	
Mid.				"	S.S.W.	1			3026	86	79	78		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday June 6, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Light airs from S.S.W.
Barometer falling slowly
W.J. Marion,
Ensign, U.S.N.

4 to 8 A.M.
Clear and pleasant. Received in Department of Supplies and Accounts 41 lbs fresh bread. By order of Commanding Officer, at 7.45 released from confinement and restored to duty, J.J. Maloney (C.R.) Yard workmen came on board at 8.00. At 7.00 B. Williams (M at A.) returned on board, 3 days over liberty
W.J. Marion,
Ensign, U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light to gentle S.W. by breezes. At 8.15 mustered the crew, absentees:- J. A. Buen, F.I.C., J. A. Stinman, A.B.C., and L. M. Galm, Cox. By order of the Commanding Officer, placed B. Williams, M. At., in solitary confinement on bread and water for 5 days, for overstaying leave 3 days. Received in Pay Department for crew, 5½ lbs each of fresh meat and vegetables. Received in Ordnance Dept. from General Storekeeper:- 4 Springfield-"45" rifles, 3 cutlasses with scabbards, 4 firing pin pouches, 6 Pdr. R.F. Mark II., 100 lbs cotton waste, 25 lbs of waxcline, 50 lbs red lead, 2 lbs copper tacks, 200 sheets emery cloth. A board of survey of which Commander R.E. Impey, U.S.N., was senior member, met on board at 10.00 to survey some articles in Ordnance Dept. Yard workmen aboard till 12. in Dept. of Steam Engineering and Construction; at work on condenser, steam launch, and starboard controller, and forward ladders. Crew rating down topmast rigging. Lieut. T.J. Lowrey and Chaplain C.H. Parke Ralph Earle, reported their return from leave.
Ensign, U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light airs from W. and S.W. Returned the following stores to the General Storekeeper: "5", 4" R.F. shell cases; 54 packing boxes for same; 4. 1-Pdr ammunition boxes; 88 shell cases for 6-Pdr R.F.G. and 8 ammunition boxes. Ensign Ralph Earle left the ship on one weeks leave. W.F. Merchant (C.M.M.) and P.H. Leighton (W.R.St.) left the ship on ten days leave, and P. Nee (Fole.) on 5 days leave. Workmen from Steam Engineering employed on condenser, stein bearing, and sea valves; and from Construction on sailing launch, controller, bulkeven, and forward ladders. J.J. Maloney (C.R.) was discharged by order of Bureau of Navigation, and furnished with transportation to Boston, Mass. Received in Supplies & Accounts from Yard, 1000 gals fresh water for drinking & other purposes.
T. J. Lowrey Lieut. U.S.N.

4 to 8 P.M.
Clear and warm. Calms and light variable airs.
T. J. Lowrey
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Calms and light airs from S.S.W.
T. J. Lowrey
Lieut. U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, reckoned in tenths.	State of the Sea.
A. M.																		
1				Dry dock	S.W.	1			3025	85	79	76		b	None		0	
2				"	"	1			3025	85	78	75		"	"		0	
3				"	"	1			3025	85	77	75		"	"		0	
4				"	"	1			3025	84	77	74		b.c.	ci.		1	
5				"	"	1			3026	80	76	74		"	"		2	
6				"	"	1-2			3027	80	76	75		"	"		2	
7				"	"	1-2			3029	80	76	75		"	"		3	
8				"	"	1-2			3027	82	77	76		"	"		2	
9				"	"	1-2			3026	83	84	80		"	"		2	
10				"	"	1			3026	84	88	84		"	"		3	
11				"	"	1			3025	85	90	84		"	"		4	
Noon.				"	"	1			3024	85	94	86		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For Aft.
Longitude by ° ′ ″ 77-76 76-78.

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water received from Navy Yard during the preceding 24 hours, 13500 "

Water remaining on hand fit for use at noon, 17500 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 122 " 1625 "

P. M.																		
1				Dry dock	S.W.	1			3023	90	98	87		b.c.	ci.		2	
2				"	"	1			3021	90	98	90		"	"		2	
3				"	Various	1			3020	91	98	91		"	ci-cu		3	
4				"	"	1			3020	91	98	91		"	"		3	
5				"	Calm	0			3019	92	94	89		"	"		3	
6				"	"	0			3018	92	95	89		"	"		3	
7				"	"	0			3018	91	93	87		"	"		3	
8				"	"	0			3018	90	90	86		"	"		3	
9				"	South	1			3018	90	89	85		"	None		0	
10				"	"	1			3019	90	86	83		"	"		0	
11				"	S.S.W.	1			3019	90	85	82		"	"		0	
Mid.				"	"	1			3019	89	84	82		"	"		0	

4—8 6

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday June 7, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, light airs from S.W.
T. T. Drury
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Light airs from S.W. At 6 AM J. O'Brien (Ord.C) and J. A. Slinman (Able) returned on board and were placed in double irons for safe keeping and to await action. P.A. Surgeon J. F. Lyle returned from leave.
T. T. Drury
Lieut. U.S.N.

8 A.M. to Meridian
Clear and hot. Light S.W. airs. Barometer falling slowly At 8.15 held muster; following men absent over leave: C. M. Gahn (Cox), J. Johnson (B.M.) Received on Pay Dept. for issue to crew, 1 lbs. fresh bread, and 5-64 lbs. each of fresh meat and vegetables. The Commanding Officer assigned the following punishments: J. A. Slinman (Able) and J. O'Brien (Ord.C), 10 days confinement in double irons, for leaving ship without permission, and remaining away 3½ days. These men were confined accordingly. Yard workmen on board Steam Engineering and Ordnance left off. Commenced laying down.
W. H. Allen
Ensign, U.S.N.

Meridian to 4 P.M.
Clear and hot. Light variable airs. Barometer falling. Transferred to General Storekeeper, 36-6-Pdr. ammunition boxes, 396-6-Pdr. shell cases, 243-1-Pdr. shell cases. F. Smith (B.M.2.c) was this day discharged by reason of the expiration of his enlistment.
W. H. Allen
Ensign, U.S.N.

4 to 8 P.M.
Clear and hot. Calms and light airs from S. Barometer steady.
Lieut. C. M. Gahn, U.S.N. returned from leave of absence.
W. H. Allen
Ensign, U.S.N.

8 A.M. to Midnight
Clear and warm. Light airs from S. and W.
Barometer steady.
W. H. Allen
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lyle,
Lieut. U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

In dry dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, numerals.	State of the Sea.
A. M.																		
1				Dry dock	Calm	0			30.19	58	80	79		b	Bone		0	
2				"	"	0			30.19	88	83	78		"	"		0	
3				"	"	0			30.19	88	82	77		"	"		0	
4				"	"	0			30.18	88	80	76		"	"		0	
5				"	"	0			30.19	88	78	77		"	"		0	
6				"	S.S.W.	0-1			30.18	88	79	78		"	"		0	
7				"	"	1			30.18	85	82	78		"	"		0	
8				"	"	1			30.18	85	83	79		"	"		0	
9				"	N.N.W.	1			30.17	87	86	82		"	"		0	
10				"	"	1			30.17	87	92	83		"	"		0	
11				"	"	1			30.17	88	94	84		"	"		0	
Noon.				"	"	1			30.17	90	95	86		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft

Position at noon: Latitude by observation ° ′ ″ 78-76 76-75
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 122 " 1177 "

P. M.																		
1				Dry dock	N.N.E.	1			30.16	91	96	87		bc.	cu.		1	
2				"	Calm	0			30.14	92	98	90		"	"		2	
3				"	S.W.	1			30.12	92	98	87		"	"		3	
4				"	"	1			30.12	93	97	86		"	"		3	
5				"	South	1			30.12	93	95	87		"	cu-cu		6	
6				"	"	1			30.12	91	94	86		"	"		5	
7				"	"	1			30.12	90	90	85		"	"		6	
8				"	"	1			30.12	90	89	84		"	"		6	
9				"	"	1			30.14	91	86	82		b-cl	cu-s		5	
10				"	S.S.W.	1			30.15	91	84	80		"	s		3	
11				"	"	1			30.15	90	82	78		"	"		6	
Mid.				"	S.W.	1-2			30.16	90	81	77		o-cl	a-s		10	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday June 8, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and calm. Barometer steady.

W. J. Mannon Ensign, U.S.N.

4 to 8 A.M.

Clear and warm. Calm, and light S.S.W airs. Barometer steady. Tarring down. Received following fresh provisions for issue to crew 55 lbs each of fresh beef and vegetables, and 45 lbs. fresh bread.

W. J. Mannon Ensign, U.S.N.

8 A.M. to Meridian.

Clear and hot. Light airs from N.N.W. Barometer steady. Mustered all hands at 8.15 Absentees: J. Johnson (B Maker) overstaying leave, C. M. Cahn (Cox.) overstaying liberty. At 8.30 the San Francisco was floated in dry dock, and at 9.30 was hauled out of dock. Sent a working party to assist and man the "San Francisco's" lines; returned about noon. Crew engaged in tarring down stays, shrouds, foot-ropes, etc. Pay Clerk H.S. Clarke, reported his return from leave. C.K. Jones (Fds) with bag and hammock, reported on board for duty. Yard workmen at work in the dept of Steam Engineering and Construction, and at work on outside of ship.

W. J. Mannon, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light airs from N.N.E. and S.W. and calm during second hour. Barometer falling slowly. Sent large working party to assist in moving the San Francisco to dock - returned at 3.30. Yard workmen at work as in forenoon watch.

W. J. Mannon, Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light airs from South. Barometer steady.

W. J. Mannon, Ensign, U.S.N.

8 P.M. to Midnight.

Generally clear and pleasant with lightning. Light airs from South and S.S.W increasing to light breeze from S.W. last hour. Barometer rising slowly.

W. J. Mannon, Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

Dry Dock Navy Yard Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from	CLOUDS. Lowest amount.	State of the Sea.
A. M.																		
1				Dry Dock	S S. W.	1			30.16	90	87	77		be	As		8	
2				" "	" " "	1			30 17	90	87	77		"	"		9	
3				" "	" " "	1			30 16	90	86	76		"	"		9	
4				" "	" " "	1			30. 16	90	85	76		"	"		6	
5				" "	" " "	1-2			30 14	90	76	75		kept	kept		3	
6				" "	" " "	1-2			30 18	88	76	75		"	"		2	
7				" "	" " "	1			30 18	83	76	75		be	bcu		6	
8				" "	Calm	0			30 19	84	77	75		"	"		6	
9				" "	" "	0			30 19	86	78	75		"	"		7	
10				" "	" "	0			30 18	88	80	80		"	"		7	
11				" "	"	0			30 17	88	89	84		"	"		7	
Noon.				Alongside Dock	South	1			30 17	89	90	86		"	"		7	

4 P.M. Commenced to flood dock

Left dry dock

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ Sea Aft.
78-77 77-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1260 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 122 " 725 "

P. M.																		
1				Alongside Dock	S W.	1			30 16	89	92	86		be	cw		6	
2				" " "	" "	1			30 14	89	92	87		"	"		6	
3				" " "	" "	1			30 12	91	94	87		"	"		6	
4				" " "	" "	1			30 10	92	95	86		"	"		6	
5				" " "	" "	2			30 08	92	95	85		"	k-cu		7	
6				" " "	" "	1			30 07	91	93	86		"	"		8	
7				" " "	" "	1			30 07	90	91	85		"	Cca		8	
8				" " "	" "	1			30 07	89	88	83		bcl	cu-nl		5	
9				" " "	" "	1			30 10	88	83	82		"	"		4	
10				" " "	" "	4			30 15	88	79	78		cp sm cl	nim		0	
11				" " "	" "	1			30 8	88	76	77		"			0	
Mid.				" " "	Calm	1			30 18	88	74	74		bcp sm cl			3	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Friday June 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant Light airs from S.W.
Barometer falling slowly.

W. J. Manion.
Ensign. Ensign, U.S.N.

4 to 8 A.M.
Generally clear with passing showers, thunder and lightning in first half of watch - Ensign W. J. Manion left the ship having been granted seven days leave. Received in the Department of Supplies and accounts the following fresh provisions: 93 lbs beef, 55 lbs of vegetables, 48 lbs bread. Yard workmen came on board about 8. A.M.

W. J. Manion
Ensign.

8 to Mirid
Clear and hot. Calms and light airs from south at. 8.45 flooded dock and at 10 floated out of dock and moored alongside quay wall north of the U.S.S. Newport - Absent without leave C. M. Cahn (Cox). S. Watanaba (Mstr) was rated W.T. Cook from June 6. Workmen in Steam Engineering Construction & Equipment Employed on board

J. F. Dewey
Lieut.

Mirid to 4 P.M.
Clear and hot Calms and light airs from S. Cristenson (Ck) and J. Nevis (Gun's Ck) returned from Leave. T. Ahern (C) was placed in double irons till he got sober. Issued from General Storekeeper in Equipment (Navigation) 12 yds white muslin, 10¾ yds red muslin, 12 glass tubes and 6 glass fronts for R.L. lamps and 4 dog lamp chimneys, same workmen as on previous watch

J. F. Dewey
Lieut.

4 to 8 P.M.
Clear and hot Light airs from S.W. Barometer falling

J. F. Dewey
Lieut.

8 to Mard
Overcast and rainy. Heavy rain squall from 9 to 10 accompanied with thunder and lightning. Barometer rising. P. Dunham (Sea) and S. W. Wesley (S.C. Ck) returned from leave.

J. F. Dewey
Lieut.

Examined and found to be correct.

E. F. Leiper,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Dry Dock Navy Yard. Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, in tenths.	State of the Sea.
A. M.																		
1			Moored to dock.		S W.	1			30.16	87	74	73		b c l	a d		2	
2			"	" "	" "	1			30.16	86	73	72		" " "	" "		2	
3			"	" "	Calm.	0			30.17	85	73	73		b c	S		5	
4			"	" "	"	0			30.17	85	73	73		"	c i cu		5	
5			"	" "	"	0			30.18	84	73	72		"	a s		5	
6			"	" "	"	0			30.18	83	73	72		"	c i cu		5	
7			"	" "	"	0			30.17	79	74	73		"	cu		5	
8			"	" "	"	0			30.17	78	74	73		"	"		5	
9			"	" "	N. E.	1			30.14	80	79	77		"	"		3	
10			"	" "	Calm.	0			30.15	81	80	78		b c	c i cu		0	
11			"	" "	West.	1			30.16	81	81	78		b c	cu.		1	
Noon.			"	" "	"	1			30.14	82	83.	79		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Chrons
Longitude by ° ′ ″ 97-77 78-77

Position at noon:
- Latitude by observation ° ′ ″
- Longitude by observation ° ′ ″
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 122 " 225 "

P. M.																		
1			Moored to Dock.		West.	1			30.13	83	85	80		b c	c u		3	
2			"	" "	"	1			30.11	83	87	83		"	"		4	
3			"	" "	W. Ca.	1			30.10	84	84	80		"	c u n		3	
4			"	" "	"	1			30.10	84	80	78		b c p l t	"		1	
5			"	" "	"	2			30.10	82	79	76		"	"		1	
6			"	" "	"	3			30.12	82	74	73		o c n t	m i n		0	
7			"	" "	"	1			30.12	81	71	71		o c n	"		0	
8			"	" "	"	1			30.12	81	71	71		"	m		0	
9			"	" "	"	1			30.14	80	71	71		o c	"		0	
10			"	" "	"	1			30.18	80	71	71		" "	"		0	
11			"	" "	"	1			30.19	80	71	71		o c d	"		0	
Mid.			"	" "	"	1			30.20	80	71	71		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday June 10, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy to fair with lightning first half of watch
Light airs from S.W. and calms.

J. J. Drury
Lieut

4 to 8 A.M.
Fair and pleasant calms. M. G. Sullivan (Ldsm) returned from leave. Rec'd 414 lbs of bread and 80 lbs each of beef and vegetables

J. J. Drury
Lieut.

8 A.M. to Mid. 0
Overcast to cloudy and pleasant Light airs from W.S.W and West. The leave of absence of J. Johnston (Boiler maker) has been extended by the Navy Dept to June 30th. At 8.15 held muster. Absent, without leave C. Mc. Gahon (Cox) and F. R. Arrigue (Ord S) By order of the Commander release B. Williams (M. Att) from confinement and restored him to duty. S. Watanaba (M.R.C.) reported expiration of his enlistment. At 11.00 the Relief Mended went into dry dock.

C. W. Parks
Lieut

Mid to 4 P.M.
Cloudy and pleasant, Light airs from West to light breze from N.E. Very heavy thunder shower last hour. Granted leaves until 12 Midnt. Furnished transportation and subsistance to Boston Mass, paid off and discharged from the 12th inst Patrick Gallaghan (P.M.C.), his term of enlistment having expired. Directed by order of the Commander, S. Watanaba (M.R.C.) to Mess Attendant. Discharged from the Naval service S. Watanaba (M. Att) by reason of the expiration of his enlistment. The Commander left the ship for four days leave.

C. W. Parks
Lieut

4 to 8 P.M.
Cloudy to overcast and raining. Incessant thunder and lightening first hour. Light N.E. breze.

C. W. Parks Lieut

8 P.M. to Mid.
Overcast with drizzling rain latter half Light N.E. airs.

C. W. Parks
Lieut

Examined and found to be correct.

E. F. Leiper
Lt. & Navigator.

LOG of the UNITED STATES Training Ship Essex 2nd Rate,

Moored to Dock. Navy Yard. Norfork. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1			Moored to Dock		N.E.	2			30.24	72	70	69		o c	nim		0	
2			"	"	"	2			30.22	78	69	68		"	"		0	
3			"	"	"	2			30.23	78	68	67		"	"		0	
4			"	"	"	2			30.23	78	68	68		b c	c s		3	
5			"	"	"	1			30.23	77	70	68		"	s cu		4	
6			"	"	"	2			30.25	78	69	68		"	a-cu		3	
7			"	"	"	2			30.26	78	70	69		"	"		4	
8			"	"	"	2			30.24	78	71	70		"	"		4	
9			"	"	"	2			30.27	78	71	69		"	"		3	
10			"	"	East.	2			30.27	78	71	67		"	cu-nim		2	
11			"	"	"	3			30.25	78	71	67		"	"		2	
Noon.			"	"	E.S.E.	2			30.25	77	71	67		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp
Longitude by ° ′ ″ Dew Pt.

Position at noon: { Latitude by observation ° ′ ″ 78-77 77-76
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 285 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 7500 "

Coal consumed during the preceding 24 hours, tons, 4650 lbs.

Coal remaining on hand at noon, 121 " 2065. "

P. M.																		
1			Moored to Dock		E.N.E.	1			30.29	73	71	69		o c d.	N.		0	
2			"	"	East.	2			30.30	74	71	69		"	"		0	
3			"	"	"	1			30.30	74	71	69		"	"		0	
4			"	"	"	1			30.31	74	71	69		o c	"		0	
5			"	"	"	1			30.31	74	71	69		o c d	"		0	
6			"	"	"	1			30.29	74	70	68		"	"		0	
7			"	"	"	1			30.29	74	70	68		"	"		0	
8			"	"	"	1			30.30	74	70	68		"	"		0	
9			"	"	"	1			30.29	74	70	69		b c	S		3	
10			"	"	"	2			30.29	74	70	69		"	"		7	
11			"	"	Calm	0			30.29	74	70	69		"	"		9	
Mid.			"	"	"	0			30.29	74	70	69		b.	None		10	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, June 11th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and cloudy. Light N.E. breeze

C.M. Parks Lieut

4 to 8 A.M.
Cloudy and cool. Light N.E. breeze F.G. Rogers returned from leave 60 hours overtime.

C.M. Parks Lieut

8 A.M. to Midn.
Clear and pleasant. Light airs from N.E., East and E.S.E. and light breeze from East - Barometer nearly steady - At 8:15 called all hands to muster Absentees C.M. Safford Cox. At 10 the Chaplain held divine service

W.J. Marion, Ensign U.S.N.

Midnight to 4 P.M.
Overcast cloudy and drizzling rain clearing a little last hour Light airs from E.N.E. and East and light breeze from east - Barometer rising slowly - At 1:50 Chaplain C.H. Parks left the ship on one weeks leave of absence - At 3:30 members of Christian Endeavor held divine service on board

W.J. Marion, Ensign U.S.N.

4 to 8 P.M.
Overcast, cloudy and drizzling rain - Light airs from East - Barometer steady. Christian Endeavor people left ship at 4:35 -

W.J. Marion Ensign U.S.N.

8 P.M. to Midnight
Clear and pleasant - Light airs and breeze from East to calms - Barometer steady.

W.J. Marion, Ensign U.S.N.

Examined and found to be correct.

F.F. Leper Lt. Navigator.

LOG of the UNITED STATES Training Ships Essex Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, eastern.	State of the Sea.
A. M.																		
1				Moored to Dock	Calm	0			30.29	74	70	69		b.	none		10	
2				"	"	0			30.28	74	70	69		"	—		10	
3				"	E, N.E.	1			30.27	74	70	69		bc	nim		5	
4				"	"	1			30.27	73	69	69		o.c.n.	"		0	
5				"	"	1			30.27	73	69	69		o.c.d.	"		0	
6				"	Calm	0			30.29	74	70	70		"	"		0	
7				"	E.N.E.	1			30.29	73	71	76		o.c.n.	"		0	
8				"	"	1			30.30	74	71	71		"	"		0	
9				"	"	1			30.30	74	74	74		"	"		0	
10				"	Calm	0			30.30	74	74	74		"	"		0	
11				"	"	0			30.30	74	74	74		"	—		0	
Noon.				"	"	0			30.29	75	75	75		o.c.d.	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft
78-77 78-77

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 600 "

Coal consumed during the preceding 24 hours, tons, 45.0 lbs.

Coal remaining on hand at noon, 121 " 1615 "

P. M.																		
1				Moored to Dock	S.S.W.	1			30.28	76	76	76		o.c.n.	nim		0	
2				"	"	1			30.27	76	76	76		"	"		0	
3				"	"	1			30.27	76	77	76		"	"		0	
4				"	Calm	0			30.26	76	76	76		"	"		0	
5				"	E.S.E.	1			30.25	75	75	74		"	"		0	
6				"	S.E.	1			30.24	74	75	74		"	"		0	
7				"	S.S.E.	1			30.24	75	74	74		"	"		0	
8				"	"	1			30.24	75	73	73		b.c.d.	"		1	
9				"	S.W.	1			30.25	75	73	73		"	"		1	
10				"	"	2			30.25	75	73	73		"	"		2	
11				"	"	2			30.25	75	74	73		bc	w		5	
Mid.				"	Calm	0			30.25	76	73	72		"	"		7	

under the command of Commander Frank Cuntis, U. S. Navy,

Monday June 12th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally clear and pleasant, overcast and rainy last hours. Calms, and light airs from E. N. E. Barometer falling slowly.

W. J. Marion,
Ensign U.S.N.

4 to 8 A.M.

Overcast, cloudy and rainy - Calms and light airs from E.N.E. - Barometer rising slowly - Received on the Department of Supplies and Accounts, the following fresh provisions 56 lbs. meat, 56 lbs vegetables, 44 lbs bread - Yard workmen came on board at 8.00

W. J. Marion
Ensign U.S.N.

8 A.M. to Mid.

Overcast and raining - Calm, - At 8.15 mustered all hands and found the following men absent without leave P. Mc (Clk) [illegible] and C. M. Cohen (Cox) Received from General Storekeeper in Equipment Department - One dozen deck lantern globes. Yard men employed on board in construction equipment and steam engineering. Enlisted for general service for four years. S. Watanabe (Mar)

J. F. Dowry
Lieutenant U.S.N.

Mid to 4 P.M.

Overcast and cloudy. Light airs from S.S.W. and Calm. Engaged in breaking out hold and cleaning bilges. Same people from yard at work as in previous watch.

J. F. Dowry
Lieutenant U.S.N.

4 to 8 P.M.

Cloudy and drizzling. Light variable airs

J. F. Dowry
Lieutenant U.S.N.

8 to Mid

Cloudy with drizzling rain first part of watch. Light breze from S.W. following. Calm about midnight. Clks. Wheeler (Ch Yeo) & H. Carl (Yeo 3c) and H. Zachary (Mar) returned from leave.

J. F. Dowry
Lieutenant U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to Dock. Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Movmt. forms.	Amount, eighths.	State of the Sea.
A. M.																		
1				Moored to Dock.	S.S.W.	1			30.24	75	73	73		b.c.b.	S		9	
2				"	"	1			30.22	75	73	73		o.c.t	"		0	
3				"	"	1			30.21	75	74	74		o.c.	"		0	
4				"	Calm	0			30.21	75	75	74		b.c	ci.cu.		3	
5				"	"	0			30.22	75	74	73		o.c.	S.cu.		0	
6				"	"	0			30.26	76	75	75		"	"		0	
7				"	"	0			30.26	76	76	75		"	"		0	
8				"	"	0			30.28	76	76	75		b.c.	a.cu.		3	
9				"	W.N.W.	1			30.27	77	78	77		"	cu		1	
10				"	Calm	0			30.27	78	80	78		"	"		1	
11				"	"	1			30.26	78	81	79		"	"		2	
Noon.				"	North	1			30.26	79	82	79		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Meg Temp.
Longitude by ° ' " Fahr. Aft.
78.77 77-77

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 250 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 121 " 1165 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Movmt. forms.	Amount, eighths.	State of the Sea.
P. M.																		
1				Moored to Dock.	North	1			30.25	80	84	80		b.c.	c.cu.		5	
2				"	"	1			30.23	81	88	85		"	"		6	
3				"	"	1			30.20	82	89	86		"	"		6	
4				"	East.	2			30.20	82	89	86		"	cu.n.		4	
5				"	"	1			30.20	82	88	86		w.	"		4	
6				"	E.S.E.	1			30.20	81	84	83		"	"		4	
7				"	"	1			30.20	80	81	80		"	"		4	
8				"	"	1			30.21	80	80	79		"	"		4	
9				"	"	1			30.21	80	80	79		"	"		5	
10				"	Calm	0			30.22	80	79	78		b.c.l.	"		5	
11				"	"	0			30.22	80	79	78		"	"		5	
Mid.				"	"	0			30.23	80	79	78		"	"		8	

under the command of Commander Frank Courtes, U. S. Navy,

Tuesday June 13, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Generally cloudy. Light airs from S.S.W.

T. F. Drury
Lieutenant U.S.N.

4 to 8 A.M.
Overcast and calm. Engaged in restowing holds.

T. F. Drury
Lieutenant U.S.N.

8 A.M. to Mid
Cloudy and pleasant. Light variable airs. Calm at times. At 5:15 held muster - Absent - on leave P.M.C. (Idle) and C.M. Balcom (Cook). M. Andreson (B.M.2C) and Alfred Duncan (Idle) returned from leave. Engaged in restowing the hold - Sub condemned Paymasters stores up into the yard to the Gen. Storekeeper - Yard workmen engaged in caulking and paying the Spar deck, also in Engineer and Equipment Depts.

C. McFarlane
Lieutenant U.S.N.

Mid to 4 P.M.
Cloudy and warm - Light airs from north to light breze from east. Coaling ship - Received in Equipment the following stores, 63 yds of 8 oz Ravens duck; 99 yds of No 9 canvas; 100 yds No 6 cotton canvas; 32 Squidgeers 4 sail fuckers; 25 boxes Flate powder; 50 coaling baskets; 50 white clothes bags; 50 black clothes bags; 100 fms of 3½ Manila rope; 300 fms 3½" Manila rope; 160 fms 4" Manila rope

C. McFarlane
Lieutenant U.S.N.

4 to 8 P.M.
Cloudy and pleasant - Lights airs and breeze from E.S.E. Coaling ship - The Prairie came in and anchored near Fort Norfolk and saluted the Admiral of the yard with 9 guns, the yard battery replied with 7 guns

C. McFarlane
Lieutenant U.S.N.

8 P.M. to Mid
Fair and pleasant - Light E.S.E. airs and calm at times.

C. McFarlane
Lieutenant U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
A. M.																		
1			Moored to dock	S.W.		1			3022	79	77	77		bcw.	f.cu		3	
2			"	"		1			3021	79	77	77		"	"		2	
3			"	"		1			3021	79	77	77		"	"		2	
4			"	"		1			3019	79	77	77		"	cu		2	
5			"	"	Calm.	0			3020	79	77	76		bc.	c.s.		3	
6			"	"		0			3022	79	76	76		"	s.cu		8	
7			"	"		0			3022	79	77	77		bcp.	cu.n		8	
8			"	"		0			3022	79	77	77		bc	cu		6	
9			"	W.S.W.		1			3023	81	80	79		"	"		5	
10			"	"		1			3023	81	84	81		"	"		5	
11			"	West		1			3023	82	87	84		"	"		5	
Noon.			"	W.N.W.		1			3023	83	88	85		"	"		5	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For Aft.
78-78 78-78

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water received from Navy Yard during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 14600 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 156 " 715 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
P. M.																		
1			Moored to dock	N.N.E.		1			3020	83	86	80		bc.	cu		7	
2			"	N.E.		2			3019	83	85	80		"	"		7	
3			"	E.N.E.		1			3019	83	85	80		"	"		9	
4			"	East		1			3020	83	85	80		"	"		6	
5			"	"		1			3020	84	85	82		"	"		6	
6			"	South		1			3018	84	85	82		"	"		5	
7			"	"		1			3018	84	84	82		"	"		4	
8			"	"		1			3015	84	83	81		"	"		5	
9			"	"		1			3016	83	81	79		"	cu		4	
10			"	S.S.W.		1			3016	83	80	79		"	"		2	
11			"	Calm		0			3016	83	79	78		"	s.		1	
Mid.			"	"		0			3015	82	79	78		bcl	"		1	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday June 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Fair and pleasant. Light S. W. airs.

Chas Earle
Lieut. U.S.N.

4 to 8 A. M.

Generally clear and pleasant with passing showers third hour. Calm. Barometer rising first part. Finished coaling ship. Received on board in Dept of Equipment: 35 tons bituminous coal in all. Made preparations for shifting berth astern. Received in Dept of Supplies and Accounts, 44 lbs fresh bread. Yard workmen came aboard about 8 00.

W. J. Hamon,
Ensign, U.S.N.

8 A. M. to Meridian.

Clear and pleasant. Light airs from W. S. W. West and W. N. W. Barometer steady. Mustered all hands at 8.15. Absentees: P. J. Lee (Cdt.), H. J. Weber (Cdt.) and C. M. Galm (Cox.) all over leave. By order of the Commanding Officer released from confinement and restored to duty, F. H. Rushman (Clerk) and J. A. Sherman (Clerk), their terms of confinement having expired, and J. O'Brien (1 C.) who is to be discharged. At 9 00 Ensign Ralph Earle reported his return from leave. At 9 35 the Commanding Officer returned on board from leave. Yard workmen engaged in caulking spar deck. Moored ship close to Newport. By order of the Commanding Officer, placed C. E. Robinson (M. At.) in solitary confinement on bread and water for 5 days, for "not obeying orders of the Master at Arms and resisting arrest by him." Received in Dept of Construction & Repair: 150 ft. 1" ash boards, 150 ft. 2" boards, 25 ft. 1" cedar, 25 ft. 2" cedar, 25 ft. 1" oak, 150 ft. 1" white pine, 50 ft. 2" white pine, 50 ft. 3" yellow pine, 50 ft. 4" yellow pine, and 50 ft. 3" white oak.

W. J. Hamon,
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light airs and breezes from N. N. E., N. E., E. N. E., and E. Barometer nearly steady. Lighter with ammunition was secured alongside about 12.45. Received in Ordnance Dept from Naval Magazine, St Julian's Creek: 20 rounds 4" steel common shell (Electric, black powder); 34 rounds 4" Cast Iron percussion shell (black powder); 550 rounds (10 chests) 6-Pr common (smokeless powder); 300 lbs (5 chests) 1-Pr heavy common shell (black powder); 250 cork plugs for 1-Pr; 500 percussion primers 6-Pdr; 400 lbs Schaghticoke can powder for saluting, stowed in 2-200 lbs tanks and 1-100 lbs tank; 40 cartridge bags (10 lbs each). The steam launch made trial trip with recently fitted boiler, everything worked well on the trial. By order of Commanding Officer declared Chas. M. Galm (Cox.) a deserter from this day, he having overstayed his leave 10 days. The rating of Lonouche Watanale was changed on June 13, 1899, from Mess Att. to Wardroom Cook and that of Chas. R. Jones from Landsman to Gen. S. Class on June 9, 1899. Lieut. C. F. Leiper left the ship, having been granted one weeks leave. J. O'Brien (1 C.) was granted 10 days leave of absence. Sold by auction the effects of C. M. Galm (Cox.), deserter, the sum of $0.45 being realized by the sale.

W. J. Hamon,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light airs from E. and S. Barometer nearly steady. Received aboard in Ordnance Dept: 25 extractor springs & pins; 12 extractors; 25 trigger springs all for 6 Pr rifle, and 1-6 Pr rifle, 6 hands and springs for Colts revolver, and 10 hands springs for Colts revolver. Yard workmen left ship about 5.00.

W. J. Hamon,
Ensign, U.S.N.

8 P.M. to Midnight

Clear and pleasant; lightning last hour. Light airs from S. S. W. and calms. Barometer steady. E. Borgeson (Mach. 1 C.) reported his return from 10 days leave of absence.

W. J. Hamon,
Ensign, U.S.N.

Examined and found to be correct.

Renewal for six months of the appointment of Chas Fulberg, Coxswain.

Frank Courtis
COM'D'R, U.S.N., COM'D'G.

Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, each in tenths.	State of the Sea.
A. M.																		
1				Moored to dock	Calm	0			30.15	82	79	79		b.	None		0	
2				"	"	0			30.14	83	78	79		"	"		0	
3				"	"	0			30.13	82	79	79		"	"		0	
4				"	South	1			30.13	82	79	79		bc.	cir		2	
5				"	Calm	0			30.15	82	77	78		"	"		2	
6				"	"	0			30.15	82	79	78		"	"		4	
7				"	W by S	1			30.15	82	80	79		"	"		4	
8				"	"	1			30.15	82	80	79		"	"		3	
9				"	"	1			30.13	84	90	86		"	"		3	
10				"	"	1			30.13	86	91	85		"	"		4	
11				"	"	1			30.12	84	91	85		"	"		4	
Noon.				"	"	1			30.12	86	90	85		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp. For. Aft.
Longitude by ° ′ ″ 80-75 79-78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours,

Water remaining on hand fit for use at noon, 1300

Coal consumed during the preceding 24 hours, 1 tons, 610 lbs.

Coal remaining on hand at noon, 165 " 105 "

P. M.																		
1				Moored to dock	N. W.	1			30.10	86	90	86		bc.	cu.		5	
2				"	"	1			30.09	87	94	87		"	"		6	
3				"	"	1			30.07	87	93	87		"	"		5	
4				"	"	1			30.07	87	93	86		"	"		4	
5				"	W by W	1			30.07	90	94	85		"	cu. cu.		5	
6				"	S E	1			30.07	88	91	86		"	"		3	
7				"	"	1			30.07	91	88	85		"	"		4	
8				"	"	1-2			30.06	88	86	83		bcp	cu-sb		7	
9				"	Calm	0			30.05	88	84	83		"	"		7	
10				"	"	0			30.05	87	85	83		bctl	"		8	
11				"	"	0			30.06	86	83	83		"	"		8	
Mid.				"	N. N. E	2			30.05	85	83	83		bctl.	"		8	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday June 15th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a M.

Clear and pleasant. Calms and light airs from South.
Barometer falling slowly.

W J Manon
Ensign, U S N.

4 to 8 A M.

Clear and pleasant. Calms and light airs from W by S. Barometer steady. At 6 oo started fires under boilers B & D. P L. Leighton (W R Std) reported his return from leave. Received in dept. of supplies & Accounts for use of crew 42 lbs fresh bread.

W J Manon,
Ensign, U S N

8 A M to Meridian.

Fair and very warm. Light W by S'ly airs. At 8 45 mustered the crew, absentees:- P J Nee (Sdy) and K T Weberg (Sdy). James O'Brien (S C) was this day honorably discharged from the Naval Service, his term of enlistment having expired. Received in Dry dept. 52½ lbs each of fresh meat and vegetables. Received from the Naval Observatory, Washington, one standard chronometer to replace one condemned by survey. Received from Bureau of Navigation 2 smooth log books. By order of Bureau of Navigation, E O Case (Yeo. S C) was given a permanent appointment in that rating. Yard workmen aboard from 8-12, caulking seams on spar deck and listing main engines. From 11 to 12 had a dock trial of the main engines, they working satisfactorily. Painting spars and reeving gear.

Ralph Earle,
Ensign, U S N.

Meridian to 4 P M.

Fair and hot. Light N W by W airs. Transferred to Naval Hospital, Norfolk, for treatment S M Wesley (S C & C) Yard workmen as in previous watch on board from 1 oo. Held dock trial of main engine from 2 30 to 3 30. At 3 30 allowed fires under boiler D to die out, and left fires under boiler B for distilling purposes. Painting spars. Ensign W T Manon left the ship on 5 days leave of absence. W B Shinderant (Ch Yeo) returned from leave.

Ralph Earle,
Ensign, U S N.

4 to 8 P M.

Fair and warm, with heavy rain showers between 7 and 8. Light W S W by W to S by E airs and breezes. Commenced distilling into ships tanks at 4 30. Yard workmen left at 5. Received from U S R S Franklin with bags and hammocks and transfer papers- T Jeffries (C S M), R Ewell (Blds), H J Meeks (Sdy), J Collins (M att) and A P Cooper (M att).

Ralph Earle,
Ensign, U S N.

8 P M. to Midnight.

Cloudy with heavy thunder storm, last hour Calms and light N N E'ly breezes. J A Manning (S C) reported his return from leave of absence. Received from U S R S "Richmond", W T Drummond (Sea) with bag and hammock and necessary transfer papers, and the bag and hammock and transfer papers of J J Brennan (Sea) & K T Weberg (Sdy) returned from leave 2 days overtime.

Ralph Earle,
Ensign, U S N.

Examined and found to be correct.

J F Leiper.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				Moored to dock	Calm.	0			30.04	82	78	78		ocl.	n.		10	
2				"	"	0			30.04	82	78	77		"	"		10	
3				"	"	0			30.04	81	78	77		bcl.	s.		6	
4				"	N. E.	1			30.04	81	78	77		"	"		9	
5				"	"	1			30.06	80	77	76		bc.	Scu		8	
6				"	"	1			30.08	80	78	77		"	cu.		5	
7				"	N by W.	2-4			30.10	81	79	76		"	"		4	
8				"	"	2-4			30.13	82	80	76		"	"		3	
9				"	N N E.	3			30.15	81	80	72		"	a-cu		2	
10				"	N by E.	4			30.16	82	75	72		"	"		4	
11				"	"	3			30.18	82	75	71		"	a-cu		8	
Noon.				"	"	4			30.18	81	77	70		"	"		9	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Mag. For. 81-80 Temp. Aft. 80-79

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water Distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 24500 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 15 3 " 15 85 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				Moored to dock	North	2			30.18	82	77	70		bc.	a-cu		9	
2				"	"	2			30.18	84	77	70		"	"		8	
3				"	"	1			30.17	84	78	71		"	"		6	
4				"	"	1			30.16	84	79	71		"	"		5	
5				"	N N W.	1			30.17	81	78	72		"	"		6	
6				"	"	1			30.17	80	78	73		"	"		5	
7				"	"	1			30.18	79	77	74		"	"		5	
8				"	"	2			30.18	79	76	75		"	"		5	
9				"	"	3			30.22	76	76	75		"	"		4	
10				"	"	2-3			30.24	74	73	72		"	s.		4	
11				"	"	2-3			30.24	74	73	72		"	"		4	
Mid.				"	North.	3-4			30.24	74	73	72		"	"		4	

under the command of Commander Frank Courtis, U. S. Navy,

Friday June 16th. , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Generally cloudy with light lightning to East'd. Calms and light N. & ly airs.

Ralph W. Earle,
Ensign, U.S.N.

4. to 8. A.M.

Cloudy to pleasant weather. Light N. & ly airs first half, followed by light to moderate N. by W. ly breeze.

Ralph W. Earle,
Ensign, U.S.N.

8. A.M. to Meridian.

Clear and very pleasant. Gentle to moderate breeze from N. by W. to N.N.E. At 8.15 mustered crew and found P. J. Mee (Eds) absent over leave. Engaged in painting spars, davits, and strong backs. At 8.45 sent a working party of fifteen men to General Storekeeper to get stores. Received in Bay Dept'l, 42 lbs. bread, and 52½ lbs. each of beef and vegetables. By order of Comdg Officer J. H. Case (Yeo 3 c.) was this day given an acting appointment as Yeoman 2nd Class. V. B. Sturtevant (Ch. Yeo) was this day discharged from the Essex and from the Naval Service, by reason of being unsuited for the Naval Service. Yard men at work in Steam Engineering Dept'l, and in Construction Dept'l, caulking decks. Received in Equipment Department 500 pages toilet paper. W. F. Merchant (S.M.M.) returned from leave. By order of the Comdg Officer renewed acting appointment of Patrick Sullivan (Ch. B.M.) for 6 months from April 1, 1899.

J. F. Bowly
Lieut. U.S.N.

Meridian to 4. P.M.

Cloudy and fair, but very pleasant. Light airs and breezes from North. Engaged in getting Paymaster's stores on board. Received from U.S.S. Franklin, with bags and papers, W. H. L. Cross (M. Att.) and John Peirce (M. Att.) Transferred to U.S.S. Franklin with bags, hammocks, and papers, Patrick Sullivan (Ch. B.M.), James Graham (M. Att.), W. L. Thorne (M. Att.), and Thos. Quinn (M. Att.) Same yard workmen employed as in previous watch.

J. F. Bowly
Lieut. U.S.N.

4 to 8. P.M.

Fair and pleasant. Light airs from N.N.W.

J. F. Bowly
Lieut. U.S.N.

8. P.M. to Midnight.

Fair and pleasant. Light to moderate breeze from N.N.W. and North.

J. F. Bowly
Lieut. U.S.N.

Examined and found to be correct.

C. F. Leiper
Lieut
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				Moored to dock	North	5			3026	72	69	69		b.	Nme		0	
2				"	"	5			3027	71	69	68		"	"		0	
3				"	"	4			3027	71	68	68		"	"		0	
4				"	"	4			3027	70	66	66		bc	cu		3	
5				"	"	2-3			3027	71	65	65		"	"		3	
6				"	"	2-3			3030	72	65	64		"	"		2	
7				"	"	2			3030	72	66	64		"	a-cu		5	
8				"	"	2			3032	73	67	66		"	"		6	
9				"	N.N.E.	2			3033	76	68	66		"	"		6	
10				"	"	2			3033	75	68	66		"	"		6	
11				"	"	2			3033	76	68	65		"	"		7	
Noon.				"	"	2			3033	77	68	64		"	"		7	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 81-78 80-78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 153 " 1135 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				Moored to dock	N.N.E.	2			3032	79	70	65		bc.	cu		4	
2				"	N.E.	2			3030	72	69	64		"	s-cu		9	
3				"	"	2			3028	70	68	63		o.c.	"		10	
4				"	"	2			3027	71	69	64		"	"		10	
5				"	"	2			3028	71	69	64		"	"		10	
6				"	"	2			3028	71	69	64		bc.	"		8	
7				"	"	2			3028	70	68	63		"	"		8	
8				"	"	1			3028	70	68	63		o.c.	cu-n		10	
9				"	"	1			3028	73	68	65		"	"		10	
10				"	Calm	0			3028	72	68	65		"	Scu		10	
11				"	"	0			3028	72	67	64		"	"		10	
Mid.				"	"	0			3027	71	67	64		"	"		10	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday June 17th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Moderate to stiff breeze from North.

T. T. Dewey Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Light to gentle breezes from North. Received in Paydept. 42 lbs bread, and 52 lbs each of beef and vegetables. Ensign W.S. Anspan returned from leave.

T. T. Dewey Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy and cool. Light N.N.E. breezes. At 8.15 held muster. Absent over leave, A.O'Grady (F.2.c.), and P.J. Rice (Fds.). By order of the Comdg Officer, released from confinement and restored to duty, J. Robinson (M. At.) Albert F. Brown (Mch. 1.c.) reported on board from U.S.R.S. Wabash. Received from General Storekeeper in Equipment Dept. 32 lbs cotton waste. Discharged J. Robinson (M. At.) from the U.S. Naval Service by reason of his being an undesirable person, this by order of Bureau of Navigation. By order of the Comdg Officer, S. Whelton (Fds.) was rated Ships Cook 4th Class. Crew engaged in stowing Paymasters stores.

C. M. Fahs
Lieut., U.S.N.

Meridian to 4 P.M.
Cloudy and cool. Light breeze from N.N.E. to N.E. Finished stowing Paymasters stores. Yard workmen caulking and paying spar deck seams. Received in Paydept. for crew, 43 lbs fresh bread, 52½ lbs fresh beef, and 52½ lbs vegetables.

C. M. Fahs
Lieut, U.S.N.

4 to 8 P.M.
Overcast and cloudy. Light N.E. breeze. Cool weather.

C. M. Fahs
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast and cool. Calm. J. White (App. 2.c.) returned from leave.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1			Moored to dock.	Calm	0			3025	71	67	64		oc.	s-cu		10	
2			"	"	0			3024	71	67	64		"	"		10	
3			"	"	0			3023	71	67	64		"	"		10	
4			"	N by E.	1			3022	71	67	64		"	"		10	
5			"	"	1			3022	71	67	65		ocp	cum		10	
6			"	"	1			3022	70	67	65		"	"		10	
7			"	"	1			3023	70	67	66		"	"		10	
8			"	"	1			3024	70	66	65		oc	s-cu		10	
9			"	"	1			3024	70	66	65		ocp	"		10	
10			"	N E.	1			3024	69	66	65		oc.	"		10	
11			"	"	1			3023	69	68	65		"	"		10	
Noon.			"	"	2			3020	69	68	65		"	"		10	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Mag Temp. For. Aft.
50-78 79-78

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2050 "

Coal consumed during the preceding 24 hours, tons, 1658 lbs.

Coal remaining on hand at noon, 152 " 1725 "

P. M.																		
1			Moored to dock.	N N E	2			3021	72	69	65		bc.	s-cu		8	
2			"	"	2			3021	72	69	65		"	"		7	
3			"	"	2			3019	72	69	65		"	"		7	
4			"	"	2			3019	73	70	66		"	"		6	
5			"	N E.	2			3018	72	70	65		"	a-cu		6	
6			"	"	1			3019	72	70	66		"	"		8	
7			"	"	1			3019	72	70	67		"	"		8	
8			"	"	1			3018	70	69	67		"	"		7	
9			"	Calm.	0			3018	69	68	67		"	"		7	
10			"	"	0			3017	69	67	65		"	"		7	
11			"	"	0			3017	69	67	65		"	"		7	
Mid.			"	"	0			3016	69	66	65		"	"		7	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday June 18th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.
Overcast and cool. Calm.
C W Fahs
Lieut U S N

4 to 8 A M.
Overcast with occasional passing showers Light airs from N E.
C W Fahs
Lieut U S N

8 A M to Meridian.
Overcast and cloudy Light passing rain showers, 2nd hour light breze from N by E and N E. Barometer falling. At 930 muster'd at quarters. Absentees; P J Fee (Flds) and P O'Grady (32 C).
A Fleet Sue
Ensign, U S N

Meridian to 4 P M.
Cloudy to fair and pleasant Light to gentle N N E breeze. Barometer falling. Local society of C. E. held divine service on board at 330.
A Fleet Sue
Ensign, U S N

4 to 8 P M.
Cloudy and pleasant. Light breeze and airs from N E. Barometer steady
A Fleet Sue
Ensign, U S N

8 P M to Midnight.
Cloudy and pleasant. Calm. Barometer falling.
A Fleet Sue
Ensign, U S N

Examined and found to be correct.

E. F. Lopes
Lieut
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,
Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, numerically.	State of the Sea.
A. M.																		
1				Moored to dock.	W.N.W.	1			30.16	70	64	63		bsw.	c-cu		2	
2				"	"	1			30.16	70	63	63		"	S		1	
3				"	West.	1			30.15	69	63	63		bw.	none		0	
4				"	"	1			30.15	68	61	60		bc.	c-cu		1	
5				"	"	1			30.15	68	60	60		"	"		2	
6				"	Calm	0			30.18	72	63	62		"	cu		2	
7				"	N.N.W.	1			30.18	74	69	65		"	"		1	
8				"	"	1			30.28	79	73	71		"	"		1	
9				"	N.W.	2			30.24	86	76	71		b.	none		0	
10				"	N.N.W.	1			30.25	90	79	72		"	"		0	
11				"	North	2			30.26	91	80	72		"	"		0	
Noon.				"	"	2			30.25	87	80	72		"	"		0	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. For. Aft.
Longitude by ° ' " 79-77 77-76

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1860 "

Coal consumed during the preceding 24 hours, tons, 75-0 lbs.

Coal remaining on hand at noon, 152 " 1275 "

P. M.																		
1				Moored to dock	North.	1			30.24	87	82	74		b.	none		0	
2				"	"	1			30.23	87	84	75		"	"		0	
3				"	"	1			30.23	88	84	76		"	"		0	
4				"	Calm	0			30.22	88	85	75		"	"		0	
5				"	"	0			30.21	88	86	75		bc.	cu		2	
6				"	S.S.W.	1			30.21	88	82	75		"	"		2	
7				"	"	1			30.21	84	79	75		"	"		3	
8				"	"	1			30.21	82	77	75		"	"		3	
9				"	"	1			30.21	82	74	69		"	"		2	
10				"	"	1			30.21	80	73	69		b.	none		0	
11				"	"	1			30.21	79	72	68		"	"		0	
Mid.				"	"	1			30.19	79	72	68		"	"		0	

under the command of Commander Frank Evans, U. S. Navy,

Monday June 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Heavy dew. Light airs from W.N.W. and W.est. Barometer steady.
Albert Gleu
Ensign, U.S.N.

4 to 8 A.M.
Clear and pleasant. Light variable airs and calms. Barometer rising. Received in Pay Department for issue to crew following fresh provisions, 42 lbs bread, and 52 lbs each of beef and vegetables. Rove off topgallant mast ropes and rigged out flying jib boom.
Albert Gleu
Ensign, U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light to gentle N.W. to northerly breezes. At 8.15 mustered the crew; absentees:- P.J. Ney, Ords., and P.A. Grady, Q.M. Received from spar shop, fore and main topgallant masts, and fore topsail yard. Sent aloft topgallant masts. Set up fore topmast backstays. A. Kelly (Cox.) returned from leave.
Roger Earle,
Ensign, U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light northerly airs and calms. Crossed fore topsail yard. Received in Pay Dept. from General Storekeeper:- 30 P.O. cap covers, 50 working jumpers, 100 white flags, 200 prs. cotton socks, 200 prs. woolen socks, 100 Asst. marks, 12 doz. eagle buttons, 18 doz. rubber buttons-medium, 144 doz. rubber buttons-small, 182½ yds. cap cloth, 12 P.O. cap devices, 217 yds. heavy flannel, 49 grommets, 200 papers of needles, 576 spools sewing silk, 112 spools thread, 6 mess kettles, 6 mess pans, 5025 lbs. s.w. soap, 600 lbs. tobacco.
Roger Earle,
Ensign, U.S.N.

4 to 8 P.M.
Clear and pleasant. Calm and light S.S.W'ly airs.
Roger Earle,
Ensign, U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Bright moonlight. Light S.S.W'ly airs.
Roger Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leyer,
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, eastern.	State of the Sea.
A. M.																		
1				Moored to dock	S.S.W.	1			30.18	70	67	66		b.	none		0	
2				"	"	1			30.18	69	67	65		"	"		0	
3				"	"	1			30.17	69	65	64		"	"		0	
4				"	"	1			30.17	69	65	64		"	"		0	
5				"	"	2			30.16	66	65	64		"	"		0	
6				"	"	2			30.16	68	67	65		"	"		0	
7				"	"	2			30.16	70	69	66		"	"		0	
8				"	"	2			30.18	74	73	71		be.	cu.		2	
9				"	S.W.	1			30.20	83	78	72		"	"		2	
10				"	"	1			30.20	86	81	74		"	"		1	
11				"	W.S.W.	2			30.20	90	81	74		"	"		1	
Noon.				"	S.S.W.	2			30.20	91	85	75		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 79-74 77-75
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1650 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 152 " 825 "

P. M.																		
1				Moored to dock	S.S.W.	2			30.20	93	88	76		b.	none		0	
2				"	"	3			30.19	99	89	76		be.	cu.		1	
3				"	S.W.	3			30.17	94	89	76		"	"		1	
4				"	"	3			30.16	94	89	76		"	F-cu		1	
5				"	"	3			30.15	94	89	76		"	"		1	
6				"	"	3			30.14	94	87	75		"	"		1	
7				"	"	2			30.12	93	87	75		b.	none		0	
8				"	"	3			30.12	90	86	74		"	"		0	
9				"	"	3			30.12	80	78	72		"	"		0	
10				"	"	3			30.12	79	77	72		"	"		0	
11				"	"	3			30.12	77	76	71		"	"		0	
Mid.				"	"	3			30.11	75	74	69		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday June 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear, cool, and pleasant. Light S.S.W'ly airs.
Moon set at 3.05.
Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.
Clear and pleasant. Light S.S.W'ly breezes. Started to bend sails. Received in Pay Dept. 55 lbs. each of fresh meat and vegetables, and 44 lbs. fresh bread.
Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light to gentle breeze from S.S.W. to W.S.W. At 8.15 mustered ships company and found P. J. Nee (Fol.) and P. O. Grady (3 c) absent over leave. Engaged in bending sails. Received in Construction Department 2 - 7" Secret blocks.
J. F. Drury
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and hot. Light to gentle breeze from S.S.W. and S.W. Ensign W. J. Marcon returned from leave. Received from U.S.R.S. Franklin with transfer papers M. Doran (B.M. 2 c) Engaged in bending boat sails, fitting running gear, and painting berth deck.
J. F. Drury
Lieut. U.S.N.

4 to 8 P.M.
Clear and warm. Gentle breeze from S.W.
J. F. Drury
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Gentle breeze from S.W.
J. F. Drury
Lieut. U.S.N.

Examined and found to be correct.

C. F. Leiper.
Lt.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, eighths.	State of the Sea.
A. M.																		
1				Moored to dock	S. W.	1			30.10	75°	74	69		b.	None		0	
2				"	"	1			30.10	75°	74	69		bc.	cir.		2	
3				"	"	2			30.08	75°	73	68		"	"		1	
4				"	"	1			30.08	74	73	68		"	s.cu		2	
5				"	"	1			30.05	73	70	67		"	cu.s.		4	
6				"	"	1			30.04	73	70	68		"	"		2	
7				"	"	1			30.05	74	71	69		"	cu.		3	
8				"	"	1			30.07	76	74	72		"	"		3	
9				"	"	1			30.10	86	81	75°		"	"		2	
10				"	"	1			30.12	90	87	78		"	"		4	
11				"	"	1			30.14	90	86	78		"	"		7	
Noon.				"	N. N. W	1			30.14	90	86	77		"	"		7	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft

Position at noon: { Latitude by observation ° ′ ″ 79-77 77-75
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 145-0 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 162 " 575 "

P. M.																		
1				Moored to dock	N. N. W	1			30.14	90	85	76		bc	F.cu		5	
2				"	N. E.	1			30.14	90	85°	76		"	"		5	
3				"	"	1			30.12	87	85°	76		"	"		5	
4				"	E. N. E	2			30.12	85°	84	74		"	"		5	
5				"	East	2			30.12	84	80	74		"	a-cu		4	
6				"	E. S. E	1			30.13	84	80	74		"	"		2	
7				"	"	1			30.15	83	78	74		"	"		1	
8				"	Calm	0			30.16	81	77	74		"	"		1	
9				"	"	0			30.16	79	75	74		"	"		1	
10				"	"	0			30.17	78	74	73		"	"		1	
11				"	"	0			30.17	77	73	73		"	"		1	
Mid.				"	"	0			30.17	76	73	72		"	"		1	

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday June 21st , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Light airs from S.W.

F. F. Lowry
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Light airs from S.W. Barometer falling.

F. F. Lowry
Lieut. U.S.N.

8 A.M. to Meridian - Clear and pleasant. Light airs from S.W. and N.W. Barometer rising. At 8.15 held muster. Absent without leave, P.J. Noe (Fds), P. O'Grady (72.C) Received from U.S.R.S. Vermont with their bags, hammocks and transfer papers, Chas. Doherty (71.C) Chas. Dillworth (71.C) and Carl J. Johnson (71.C) The main topsail yard was brought down from the spar shed and landed on the dock, abreast of the ship. By order of the Commander declared P.J. Noe (Fds) a deserter, by reason of his being absent 10 days over leave. A.J. Brennan (Sea) whose bag, hammock, and transfer papers arrived June 15th last, reported on board.

W.J. Marion,
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light airs from N.W. and N. & E. increasing to light breeze from E.N.E. Barometer falling slowly. Hoisted inboard and swayed aloft in place, the main topsail, steady for fitting yoke and parrel.

W.J. Marion,
Ensign, U.S.N.

4 to 8 P.M.
Clear and pleasant. Light breeze from East, light airs from E.S.E. and calm. Barometer rising slowly. By order of the Commandant, transferred the bag, hammock, enlistment record, and transfer pay account of Patrick O'Grady (72.C), by reason of his being confined in jail at Portsmouth, Va. Put on repaired brickler of hawse pipe (port bower).

W.J. Marion, Ensign, U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Calms. Barometer rising slowly first part, then steady. About 10.00 Lieutenant E.F. Leiper returned from leave of absence.

W.J. Marion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, sidereal.	State of the Sea.
A. M.																		
1				Moored to dock.	Calm.	0			30.17	74	72	71		be.	a-cu		5	
2				"	"	0			30.17	73	72	71		b	None		0	
3				"	"	0			30.18	72	72	71		"	"		0	
4				"	"	0			30.18	73	72	71		be.	a-cu		2	
5				"	"	0			30.20	72	71	70		"	S		1	
6				"	E.N.E.	2			30.24	73	72	70		"	"		2	
7				"	N.E.	2-3			30.26	78	74	71		b	None		0	
8				"	"	3			30.30	77	74	71		"	"		0	
9				"	"	2			30.31	79	76	71		"	"		0	
10				"	"	3			30.34	80	76	71		"	"		0	
11				"	E.N.E.	2			30.37	82	75	69		"	"		0	
Noon.				"	"	2			30.38	83	75	69		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 79-76 74-75
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water Received from Navy Yard during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 151 " 2165 "

P. M.																		
1				Moored to dock	E.N.E.	2			30.38	84	75	69		b	None		0	
2				"	"	1			30.38	84	80	73		"	"		0	
3				"	"	1			30.37	84	80	73		"	"		0	
4				"	"	1			30.37	84	80	73		"	"		0	
5				"	"	1			30.36	80	77	73		"	"		0	
6				"	East	1			30.35	76	74	72		"	"		0	
7				"	"	1			30.34	75	75	71		be.	cu		3	
8				"	"	2			30.34	75	74	71		"	"		3	
9				"	"	1			30.34	76	74	71		"	"		4	
10				"	"	1			30.34	75	70	68		"	"		4	
11				"	"	1			30.34	74	70	68		"	"		2	
Mid.				"	"	1			30.35	73	69	67		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday June 22nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Calms. Barometer steady.
W. J. W. Lamon
Ensign, U.S.N.

4 to 8 A.M.
Clear and pleasant. Calm. Light and gentle breezes from E.N.E. and N.E. Barometer rising.
W. J. W. Lamon
Ensign, U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light to gentle breeze from N.E. and E.N.E. Barometer rising. At 8.15 mustered crew; no absentees. Received on board fore and main topgallant yards. Bent main topsail and gear. Received in Equipment Dept's; 1 Pl. deck awning, 1 gib, 1 foresail, 1 spanker, 1 set hammock clothes, and 1 boat cover & sailing launch. Received following fresh provisions; 44 lbs of bread, and 55 lbs each of vegetables and beef. Effects of P.J. Nee (Cds) were sold, by order of Commanding Officer, and realized $1.00. M. Doran (Seaman) given an acting appointment as B.M. 2 C. Draft off Franklin at 8
W. W. Phillips
Ensign, U.S.N.

Meridian to 4 P.M.
Clear and warm. Light E.N.E. breezes and airs. Barometer steady. Secured boats for sea.
W. W. Phillips
Ensign, U.S.N.

4 to 8 P.M.
Clear and pleasant. Light airs from E.N.E. and East. Barometer falling slowly. Received in Construction Dept. 12 patented rudder braces for boats.
W. W. Phillips
Ensign, U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Light airs from East. Barometer steady.
W. W. Phillips
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lester,
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Moored to dock Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Direct.	Amount.	State of the Sea.
A. M.																		
1				Moored to dock.	Calm.	0			30.36	71	68	67		b.w.	ci.		2	
2				"	"	0			30.37	70	67	66		"	"		2	
3				"	"	0			30.37	70	67	66		"	"		3	
4				"	"	0			30.37	71	67	67		"	"		3	
5				"	"	0			30.37	71	67	67		b.c.	"		3	
6				"	"	0			30.39	73	72	70		"	"		3	
7				"	"	0			30.42	76	72	71		"	"		2	
8				"	"	0			30.44	78	74	72		"	"		2	
9				Various	E.N.E.	2			30.44	77	75	72		"	"		2	
10			53.2	E.S.E. ½ E.	"	3			30.44	77	75	72		"	"		1	
11	8	1	91.3	E.N.E.	East	3			30.44	75	76	72		"	"		2	
Noon.	7	3	98.6	N.E. ½ E.	E.S.E.	3			30.47	75	75	71		"	"		1	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.
79-77 74-75

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by Ll. R. 37 ° 57′ 30″ N.
Longitude by Alts. Bearings 74 ° 55′ 00″ W.

Variation of compass: 5.06 P.M. 4°40′ W'ly 5.25 P.M. 4°40′ W'ly

Error of compass observed at 5.06 P.M. 1°36′ Ely 5.25 P.M. 2°47′ Ely

Deviation of compass on ∠ 5.06 P.M. 6°16 Ely 5.25 P.M. 7°27′ Ely

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 246.0 "

Coal consumed during the preceding 24 hours, 3 tons, 2130 lbs.

Coal remaining on hand at noon, 148 " 35 "

P. M.																		
1	8	1	6.7	N.E. ½ E.	S.E. x E.	3	P.S. 2.0	-	30.44	75	74	70	72	b.c.	ci.		3	S.
2	2 6	6 9	18 2	N.E. ½ E.	"	3	3.0	-	30.43	76	73	69	72	"	"		1	"
3	9	5	24.7	"	"	3	3.0	-	30.42	74	72	69	72	"	"		1	"
4	9	9	33.6	"	"	3	3.0	-	30.42	76	72	69	72	"	"		1	"
5	9	5	43.1	"	"	2	3.0	-	30.42	76	72	69	72	"	"		1	"
6	9	8	52.9	"	"	2	7.0	-	30.42	76	71	68	72	"	"		1	"
7	4 5	3	57.7 63.0	N.E. ½ N.	"	2	7.0	-	30.41	74	71	68	72	"	"		2	"
8	10	0	71.7	"	"	2	7.0	-	30.40	73	70	68	71	"	"		3	"
9	9	8	81.5	"	South.	2	4.0	-	30.41	72	71	69	70	b.	None		0	"
10	9	4	90.9	"	"	2	5.0	-	30.40	72	71	69	70	"	"		0	"
11	9	4	0.3	"	"	3	3.0	-	30.39	72	71	69	69	b.w.	"		0	"
Mid.	9	3	9.6	"	S. x W.	3	3.0	-	30.39	72	72	70	69	"	"		0	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday June 23d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and calm. Barometer steady. 0300 started fires under all boilers.

W. Thurber
Ensign, U.S.N.

4 to 8 A.M.

Clear and warm. Calm. Barometer rising. Made preparations for sea. Cast off chain moorings. At 750 called all hands "unmoor ship". At 800 left the yard. Tug assisting the ship to clear dock.

W. Thurber
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light and gentle breezes from E. by N. E., East, and E. S. E. Barometer steady. Ship underway on various courses down Elizabeth River and in Hampton Roads, making passage from Norfolk, Va. to Newport, R.I. Steaming with 4 boilers. Draft of water forward 14'-4", amidships 15'-6", aft 17'-4". About 11.00 set fore topmast staysail, jib, and main trysail. J. Olsen (B.M. 2 C.) (Captain of the Main Top) lost overboard the sheave of jack block. Put over patent log at 10.00, reading 53.2. At 11.15 changed course to E. S. E. ½ E. P.L. reading 98.1; at 11.30 (Cape Henry Lt. House abeam) to E. by N. ½ N. p.l. reading 98.2; at 11.55 to N. E. ½ E., p.l. reading 98.2. At 12.00, patent log 98.6. Whistler buoy bore N.W. distant ¼ mile, took departure on course N. E. ½ E. (p.s.c.). Made our number by international code to Cape Henry Station, which was answered. Average steam pressure 53 lbs. Average revolutions 43.5.

W. J. Mamion, Ensign.
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle S. by E. & E. by S. breeze. At 12.30 set spanker and main topmast staysail. At 1.00 changed course to N. E. ½ E. (p.s.c.) log 91. At 1.20, Cape Charles light ship abeam, distant ¼ mile, changed course to N. E. ¾ N. (p.s.c.) log 95. At 3.00 Hog Island light abeam, distant 10 miles. Under steam and all fore and aft sail except flying jib. Av. steam 53. Av. rev. 47.6. By order of Ralph Earle, Cleaned & flushed out oil & sediment from boilers. Comdy. Aff. detailed J. Cooley, Fds, W. J. Meeks, Fds, and E. Shepherd, Fds, to pass coal in fuiorm. Ensign, U.S.N.

4 to 6 P.M.

Clear and pleasant. Light breeze from S. E. & E. Under steam and same sail as in previous watch and in course N. E. ¾ N. At 5.50 made Assateague Light House bearing N. N. W. ½ W. P.L. reading 51. Av. steam 61 lbs; rev. 52.

J. Towers
Lieut. U.S.N.

6 to 8 P.M.

Fair and pleasant. Hazy on horizon. Light breeze from S. E. by E. Under steam and all fore and aft sail, save flying jib. Course N. E. ¾ N. (p.s.c.) At 6.25 changed course to N. E. ½ N. (p.s.c.) At 6.40 Winter Quarter Shoal Lt. Ship bore on the bow N. ½ W. (p.s.c.) & at 7.25 it was abeam N. W. ½ W. (P.s.c.) distant 6½ miles.

C. McDaks
Lieut. U.S.N.

8 P.M. to Midnight.

Clear, bright moonlight. Light to gentle breeze from South. Barometer falling slightly. On course N. E. ¾ N. Under fore and aft sail except flying jib, and steam. At 10.25 changed course to avoid a vessel which proved to be a tug looking for a tow.

W. Thurber
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper.
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Norfolk, Va., to Newport, R. I.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, tenths.	State of the Sea.
A. M.																		
1	9	3	18.9	N. E. ¼ N.	S. by W.	2	P.S.		30.42	73	70	68	69	bv.	None		0	S.
2	9	0	27.9	"	"	2			30.41	73	70	68	69	"	"		0	"
3	9	6	37.5	"	"	2			30.40	73	70	68	69	"	"		0	"
4	9	3	46.5	"	S. W.	1			30.40	73	71	69	69	bc	cu-s		2	"
5	9	0	55.5	"	calm	0	S.S.		30.40	75	71	72	69	"	s		2	"
6	9	3	64.8	"	East	1	S.S.		30.40	76	76	72	69	"	"		2	"
7	10	0	74.8	"	S. E.	2	2-3		30.39	78	76	74	69	b	None		0	"
8	8	9	83.7	"	S. W.	3	3-3		30.39	80	80	77	69	bc	cu		2	"
9	7	9	91.0	"	"	2	3-3		30.40	82	81	77	69	"	"		2	"
10	7	7	98.7	"	"	2	3-3		30.40	82	81	77	69	"	"		2	"
11	7	3	6.0	N. E. by N.	"	2	3-3		30.40	84	84	79	69	"	"		2	"
Noon.	6	0	12.0	"	"	2	3-3		30.40	84	87	75	69	"	"		1	"

Position at 8 A. M. { Latitude by Alt. from Noon worked back 39° 14' "N. Mag. Temp.
Longitude by Alt. 73° 9' 30" W. For. Aft.

Position at noon: { Latitude by observation of ☉ 39° 38' 24" N. 79-77 76-75
Longitude by observation Chronometer from forenoon observations 72° 47' 6" W.
Latitude by D. R. 39° 40' 00" N.
Longitude by D. R. 72° 52' 00" W.

Course made good since preceding noon:

Distance made good since preceding noon: 220 miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by D.R. 40° 30' 45" N.
Longitude by Alt. 72° 03' 00" W.

Variation of compass: 7.41 P.M. 8° 15' W'ly 5.29 P.M. 9° 45' W'ly

Error of compass observed at 7.41 P.M. 1° 41' E'ly 5.29 P.M. 2° 13' W'ly

Deviation of compass on 7.41 " 9° 19' " 6.29 " 7° 32' E'ly

Water expended during the preceding 24 hours, 25.0 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, 12 tons, 570 lbs.

Coal remaining on hand at noon, 135 " 1705 "

P. M.																		
1	7	1	19.1	N. E. by N.	S. by E.	2	3-3		30.39	85	76	76	69	bc	cu.		1	S.
2	7	3	26.4	"	"	2	4-3		30.37	82	74	73	69	"	"		2	"
3	7	6	34.0	"	"	3	4-4		30.35	81	73	72	68	"	"		2	"
4	8	7	42.4	"	"	4	4-4		30.32	80	73	71	67	"	"		2	"
5	8	1	50.5	"	S. S. W.	4	5°-5°		30.27	77	71	70	67	"	cu-s		4	"
6	8	0	58.5	"	"	4	5°-5°		30.27	75	71	70	67	"	cu-s		7	"
7	8	1	66.6	"	"	3	4°-4°		30.28	74	70	69	67	oc	s		10	"
8	7	4	74.0	"	North	2	7-7		30.30	75	70	69	67	ocl	s-cu		10	"
9	7	4	81.4	N. E. ½ N.	N. N. E.	2	6-7		30.35	76	68	67	67	"	"		10	"
10	7	6	89.0	"	S. S. W.	2	6-7		30.36	79	68	67	67	"	"		10	"
11	7	1	96.1	"	"	1	6-7		30.36	78	67	66	64	bc	a-cu		8	"
Mid.	7	0	3.1	"	"	1	6-5		30.33	75	66	66	61	"	"		8	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday June 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Clear and pleasant. Bright moonlight. Light breezes from S by W and light airs from S W. Barometer falling. Under all fore and aft sail except the flying jib, and steam. Average revolutions 50.3, average steam pressure 50.

W J Mannon
Ensign, U.S.N.

4 to 8 A. M.

Clear and warm. Calms and light Easterly airs followed by light to gentle S. E by to S. W by breezes. At 4.00 took in all fore and aft sail. At 6.00 set all fore and aft sail. At 6.45 hauled down main topmast staysail. At 7.00 banked every other fire under boilers to reduce speed. Under steam and fore and aft sail except flying jib, and main topmast staysail. Av. steam 46. Av. revolutions 41.

Ralph Earle
Ensign, U.S.N.

8 A. M. to Meridian.

Clear and pleasant. Light breeze from S W. At 9.30, took in all sail. Steaming on course N E ½ N. till 10.00 when changed to N E by N. At 11.00 set clock ahead 13 minutes. Av. steam 47½ av. rev. 39.5

T L Sloan
Lieut. U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light to moderate breeze from S by E. Course N E by N (psc.) Av. steam 47, av. rev. 39.2.

C. M. Fahs
Lieut. U.S.N.

4 to 6 P.M.

Fair to cloudy & pleasant. Moderate S S W breeze. Barometer falling first hour, steady last. Course N E by N. (psc.) Holland American line steamer passed ahead of us, bound East. Aver. steam 51; av. rev 46. Held survey on 9 officers bath tubs & one set of stencil plates.

Wm Arthur
Ensign, U.S.N.

6 to 8 P.M.

Overcast and cloudy, with lightning second hour. Gentle breeze from S.S.W., shifting to light breeze from North. Barometer rising. As course N. E. by N (P.S.C.) Several steamers in sight first hour. At 8.00 changed course to N E ½ N. (P.S.C.) Under steam. Average steam pressure 52; av revolutions 41.4.

W J Mannon,
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy to overcast with lightning to North'd. Light airs and breezes from N N E and S S W. Moon rose at 8.20 Maximum roll 7°. At 9.40 sighted Montauk Lt. bearing N by E, and at 10.20 sighted Block Point Light bearing N N E. At 10.00 slowed to 35 turns. At 8.00 changed course to N E ½ N. log 74.0. Under steam alone. Average steam 47½ av. revolutions 39.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leyer
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Norfolk, Va. to Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, eastern'k	State of the Sea.
A. M.																		
1	8	7	3 9	N E ½ N	S. S. W.	2	P 5 4-4		3027	72	66	65	61	oc	a-s		10	S.
2	7	1	16 0	N N E ¾ E	"	3	2-2		3025	72	66	65	61	"	"		10	"
3	4	7	20 7	"	S. W. by S.	3	-		3021	70	66	65	61	bc	"		8	"
4	6	3	23 5	N by E ¼ E	"	3	-		3023	72	65	65	61	"	a-s		8	"
5	5	8	34 8	"	"	2	-		3022	72	66	65	61	"	"		6	"
6	2	3	37 1	N. ¾ E. E. ¾ E.	West	3	-		3023	78	66	65	61	"	"		5	"
7			40 4	Standing into harbor	"	3	-		3024	68	66	66		"	"		4	
8	Moored to buoy			S. W.	S. W. x S.	1	-		3022	68	67	67		"	a-cu		6	
9				N. W.	S. W.	1	-		3023	75	68	67		"	a-cu		7	
10				W N W	"	2-3	-		3023	75	69	68		oc	S-cu		10	
11				W. S. W.	"	3	-		3022	72	65	68		o-cu	cu-ci		10	
Noon.				S. W. x W.	"	2	-		3021	70	67	67		"	"		10	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. For. Aft.
Longitude by ° ' " 78-77 75-74

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water Distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 3 tons, 1850 lbs.

Coal remaining on hand at noon, 129 " 2090 "

P. M.																		
1			Moored to buoy	S. W. by W.	S. W.	2			3021	70	67	67		overlt.	Num		10	
2				S. by E.	"	2			3021	70	67	67		"	"		10	
3				"	"	1			3020	70	67	67		"	"		10	
4				"	"	1			3020	70	67	67		"	"		10	
5				"	"	1			3020	74	67	67		"	"		10	
6				"	"	1			3019	73	66	66		"	"		10	
7				"	Calm	0			3018	72	66	66		ocf.	"		10	
8				S by W.	"	0			3018	70	65	65		"	"		10	
9				"	"	0			3018	70	65	65		"	"		10	
10				W N W.	"	0			3018	70	65	65		ocrf	"		10	
11				N. W.	"	0			3018	70	65	65		"	"		10	
Mid.				West.	"	0			3018	70	65	65		ocr.	"		10	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday June 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast and cool, clearing last hour of watch. Bright moonlight. Light breeze from S.S.W and S.W by S. At 12.12 Montauk Light-bore abeam, distant 14 miles and course was changed to N.N.E. 3/4 E. At 2.34, Block Island S.E. Light bearing abeam, and patent log reading 219, changed course to N by E. 1/4 E. At 3.00 sighted Pt. Judith Light bearing N 50 W and at 3.30 sighted Block Island North Pt. bearing N.W. 1/2 W. Took a cast of the lead at 2.40, in 16 fathoms. Under steam alone. Average steam ; av. rev

E. F. Lesper
Lieut. U.S.N.
Navigator

4 to 8 a.m.

Cloudy and pleasant. Light to gentle breeze from S.W by S to West. Steaming on course N by E. 1/2 E. (psc.) At 5.00 changed course to N.N.E. At 5.45 passed close abeam Brenton Reef Light-Ship. At 6.00 hauled in patent log. Exchanged numbers with the "New York" and received permission by signal to make first to buoy. At 6.45 moored to buoy. Let fires die down in A B and C boilers. Kept fires in D E. At 7.30 commenced distilling. At 7.30 the Flagship made time and uniform signals. An officer from the guardship "Massachusetts" paid a boarding call. Rigged out the steam launch.

C. M. Fahs
Lieut. U.S.N.

8 a.m. to Meridian.

Overcast and damp, hazy. Light airs to gentle breeze from S.W. Barometer falling. The Commander paid an official call on the Commander-in-Chief, and Commandant of Training Station. Yacht "Columbia" came down from Bristol and had a practice spin with the "Defender" riding between wind and tide. Ambent and sent below main topsail, staysail. Clearing up ship all forenoon. At 10.15 held muster, no absentees.

W. J. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Overcast, cloudy, and rainy, with thunder and lightning. Light airs and breezes from S.W. Barometer nearly steady. At 3.00 the following named men left the ship on 5 days furlough: Wm B. Vasse (Y.M. 2.C.), F.W. Clark (C.M. 3.C.), J. Roach (Painter), and T. Thornton (Edo.), and J. L. Bigham (Sea) left the ship on 7 days furlough.

W. J. Manion
Ensign, U.S.N.

4 to 8 P.M.

Overcast and foggy. Rainy first 3 hours. Light S.W. airs and calms. Barometer steady.

W. J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast, cloudy, rainy, and foggy. Calms. Barometer steady.

W. J. Manion
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lesper,
Lieut. U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Moored to buoy, Newport, R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.			Moored to buoy															
1				E. by N.	Calm	0			30 18	67	65	65		ocd	a-cu		9	
2				"		0			30 18	67	65	65		"	"		8	
3				"	S. W.	1			30 18	67	65	65		bcw.	s-cu		5	
4				S.S.W.	"	1			30 17	67	65	65		"	"		5	
5				"	Calm	0			30 17	67	65	65		lc.	"		8	
6				"	"	0			30 19	70	65	65		"	cu-s		2	
7				"	N. W.	0-1			30 20	74	66	66		"	cu.		2	
8				"	Calm	0			30 22	78	70	69		"	"		2	
9				North	"	0			30 23	81	70	69		"	"		3	
10				"	"	0			30 24	85	72	69		"	"		3	
11				"	West	1			30 25	86	74	70		"	"		3	
Noon.				N.N.W.	N.N.W.	1			30 25	84	69	67		"	"		6	

Mag. Temp. For. 78-76 Aft. 74-73

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 4000 "

Coal consumed during the preceding 24 hours, 2700

Coal remaining on hand at noon, tons, 1 lbs. 10

128 " 2085 "

P. M.			Moored to buoy															
1				S.W. by S.	S.W.	2			3024	82	72	70		lc.	cu.		5	
2				"		2			3023	83	74	72		"	"		4	
3				S. by W.	S.S.W.	2			3021	79	73	70		"	"		3	
4				"	"	2			3021	86	73	70		"	"		4	
5				S.W. by S.	"	1			3022	86	73	70		"	"		4	
6				"	"	1			3022	86	73	70		"	"		5	
7				W.N.W.	West.	1			3022	86	73	70		"	"		6	
8				"	"	1			3021	84	70	67		"	"		6	
9				N.W. by W.	N.N.W.	2			3021	72	68	66		"	cu-s		3	
10				N. by W.	N.N.E.	1			3022	72	68	66		"	"		2	
11				North	"	1			3022	72	66	64		"	"		4	
Mid.				"	"	1			3022	70	66	64		"	"		4	

under the command of Commander Frank Courtis, U. S. Navy,

Monday June 26th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast cloudy, and drizzling first half. Clearing weather and moonlight last half. Calms and light S.W.ly airs.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and warm. Calms and light variable airs. Barometer rising. At 6.00 U.S.S. "Alliance" came into port and moored to buoy on port bow. Lieut. T. G. Dewey, U.S.N., was this day detached and left the ship. Stopped distilling and let fires die out under boiler D. at 7.30. Flagship made uniform signal 695: "Started blacking sides."

W. J. Manion
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Calms and light airs from West, and N.N.W. Barometer rising. About 8.00 the U.S.S. "Alliance" fired a salute of 13 guns, which was returned by the Flagship "New York" with 7 guns. J. Grady (B.M. 2 C.) left the ship on 7 days furlough. The wheel ropes were overhauled. Ensign F.P. Baldwin reported for duty on board this ship. Punishment awarded by the Commanding Officer: to J. Johnson (Baker maker). Refusing to obey orders of Master-at-Arms. Reduced to 2nd Conduct Class. Painted hull outside black. The Comdy Officer of the "Indiana" called on the Comdy Officer of this ship.

W. J. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Light S.W. by W. to S.S.W. ly breezes. The Comdy Officer called officially on the Comdy Officers of the vessels of the squadron. At 3.30 furled sail. At 1.00 the U.S.S. "New Orleans" came in and anchored with the squadron.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light airs from S.S.W. and West. Barometer steady. At 5.20, the Comdy Officer of the "Alliance" called officially on the Comdy Officer of this ship. At 7.04 the following named men left the ship on furlough of five days each: W. W. Crawford (B.M. 1 C.), J. J. Dunlan (G.M. 3 C.), and C. J. Bower (C.P.)

W. J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Light N.N.W. ly and N.N.E. ly airs. Moon rose at 9.50.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. J. Leiper.
Lieut. & Nav. Navigator.

under the command of Commander Frank Courtis. , U. S. Navy,

Tuesday June 27, , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Apprentices, 3rd Class, received from U.S. Naval Training Station, Newport, R.I. June 27, 1899

Allan, C.B.	Doane, A. A.	Kaminsky, P.Q.F.
Amphlett, le L.	Dallon, J. B.	King, W. F.
Benson, le.	Dwyer, T.	Kopp, F. W.
Ballon, T. P.	Derrick, H. G.	Kirk, E. L.
Burr, W. T.	Erb, M.	La Berge, H.
Barlow, M. B. S.	Eddings, C. V.	Lundlow, S.
Beedle, le L.	Ford, F.	Lundgren, A.
Bolender, C. J.	Frazee, G. A.	Lemoine, P. F.
Boyan, J. J.	Franks, P. le.	Linde, J. le.
Barnhisel, W. G.	Foley, J. A. M.	Larkin, J.
Brittain, A	Geer, E. E.	Lewis, R.
Bunol, J. A.	Guest, A. B.	Logsdon, G. W.
Berry, R. G.	Goss, F. L.	Loomis, L. E.
Barnes, le.	Geary, J. P.	McCaus, G. A.
Burns, G. H.	Gray, J.	McLaughlin, T. R.
Barthine, M. J.	Gerrity, W. E.	Maur, J. M.
Lewis, C. P.	Holmes, J.	Moore, W. A.
Converse, R. A.	Hindle, J.	Wehling, F. G.
Coates, W. T.	Hellings, T. J.	Martin, H. F.
Colby, E. J.	Hanks, L.	Mollison, G. C.
Calhoun, R. H.	Hartman, le.	Mauser, F.
Clowry, P. J.	Hayden, R.	Massie, G. H.
Chapman, F. L.	Haley, W. J.	Mullen, M. G.
Croful, G. R.	Hampton, A. L.	Macfeat, T.
Curran, A. J.	Hines, W. C.	Magoun, E. A.
Curran, T.	Jedlicka, V.	Martin, W. S. W.
Levis, J. J.	Jeter, N. C.	Martin, R. J.
Dowling, T. J.	Johnson, W. H.	Mullen, le E.
Danielson, M. C.	Kelly, J.	Nasson, H.
Dowling, L.	Kyle, J. W. F.	Nilsson, A. P.
		O'Neil, G. J.

N.N.E.
C.M. Fahs Lieut. U.S.N.

...oncier rising. Received ...rsions: 43 lbs bread, 5 3/4 lbs ...
W.J. Manon.
Ensign, U.S.N.

...r. At 9.30 mustered the crew and hammocks, and transfer... The Laundry Officers of the ...call of the Bondig ...stood out to sea.
Ralph Earle,
Ensign, U.S.N.

...ges. Received on board ...k chest bags, hammocks, ...tations to the apprentices.
C.M. Fahs
Lieut. U.S.N.

...d Westerly breezes. At 4.30 held ...ceived the following men ...sk: J. Mahony, C.G.M., ...k, J.C. West, B.M.2.C., ...C., E. McLaren, Ale. E.F.
Ralph Earle,
Ensign, U.S.N.

...ge from W.S.W. to W.N.W.
C.M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

F. F. Leiper,
Navigator.

under the command of Commander Frank Courtis. , U. S. Navy,

Tuesday June 27, , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

O'Neil, D. D.	Stull, L. C.
O'Donnell, J. C.	Shearer, H.
Potter, N. A.	Smith, G. W.
Runhagen, G. A.	Strain, J. A.
Pellet, J. D.	Towle, W. F.
Phillips, F. L.	Totten, W. W.
Perino, R.	Thornton, J. J.
Perry, C. M.	Tauske, G. G.
Placet, L.	Waterhouse, A.
Richards, J. W.	Weichelt, E.
Royal, E. L.	Winder, A.
Roole, R. H.	Whitney, D. D.
Reiff, C. F.	White, S.
Robinson, H.	Wondaries, C. W.
Rees, A. G.	Walser, A.
Rothenback, D.	Wrockloge, G. W.
Schegel, W. F.	White, R. J.
Schurz, G. P.	Whelan, J.
Simpkin, R. A.	Williams, F. D.
Szymkiewicz, F. A.	Walsh, H. B.
Schreiber, W.	
Stover, H. A.	
Simmons, R. A.	
Steinman, J. F. G.	
Siegmann, J. F. R.	
Skinner, A. E.	
Senft, G.	
Sample, R.	
Snyder, B. F.	
Sherwood, D. L.	

N. N. G.
C. W. Fahs Lieut. U. S. N.

oncier rising. Received
rsions:- 43 lbs bread, 53½ lbs
W. J. Manion.
Ensign, U. S. N.

. At 9.30 mustered the crew
and hammocks, and transfer
The Boundy Officers of the
call of the Boundy,
stood out to sea.
Joseph Earle,
Ensign, U. S. N.

eze. Received on board
their bags, hammocks,
tations to the apprentices.
C. W. Fahs
Lieut. U. S. N.

d Westerly breezes. At 4.30 held
ceived the following men
sh: J. Mahony, C. G. M.,
h, J. G. West, B. M. 2 C.,
c., L. McLaren, Ales, E. F.
Joseph Earle,
Ensign, U. S. N.

eze from W. S. W. to West.
C. W. Fahs
Lieut. U. S. N.

Examined and found to be correct.

E. F. Leiper.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, entirely.	State of the Sea.
A. M.				Moored to buoy														
1				North	N. N. E.	1			30.23	69	64	64		bc.	a-s		4	
2				N. N. E.	"	1			30.23	69	64	63		"	"		4	
3				N. E. by E.	"	1			30.23	69	64	63		"	"		1	
4				"	"	1			30.23	69	64	63		"	cu-cu		2	
5				"	"	1			30.22	66	62	61		"	cu		3	
6				"	"	1			30.24	68	64	63		"	c		2	
7				E. N. E.	"	1			30.28	72	67	66		"	cu		2	
8				E. S. E.	S. S. E.	1			30.28	78	70	66		"	"		2	
9				"	"	1			30.29	79	72	67		"	"		2	
10				"	"	1			30.29	79	69	67		"	cu-cu		2	
11				"	"	1			30.29	79	65	67		"	"		2	
Noon.				"	"	1			30.29	79	65	67		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For Aft.
Longitude by ° ′ ″ 78-75 74-72

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 128 " 1395 "

P. M.				Moored to buoy														
1				S. W.	S. W.	2			30.27	78	67	67		bc	a-cu		3	
2				"	"	2			30.26	78	67	67		"	cu		3	
3				"	"	3			30.25	77	69	68		"	"		2	
4				"	"	3			30.25	75	69	65		"	"		2	
5				W. S. W.	W. S. W.	3			30.24	75	69	66		"	cu		5	
6				S. W. x W.	S. W.	3			30.24	74	67	65		"	"		5	
7				S. W.	"	3			30.23	70	66	64		"	"		2	
8				"	"	2			30.23	68	65	64		"	"		3	
9				"	W. S. W.	2			30.24	69	65	64		"	"		3	
10				"	"	3			30.23	68	64	64		"	"		3	
11				West	West	3			30.23	67	64	63		bw	Nim		0	
Mid.				W. N. W.	"	3			30.23	67	64	63		"	"		0	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday June 27, , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.
Fair and cool. Light airs from N. N. E.
C. W. Fahs Lieut. U. S. N.

4 to 8 A. M.
Clear and pleasant. Light airs from N. N. E. Barometer rising. Received on Dept. of Supplies and accounts the following fresh provisions: 43 lbs bread, 53½ lbs beef, 53½ lbs vegetables.
Wm. J. Mahon
Ensign, U. S. N.

8 A. M. to Meridian.
Clear and pleasant. Light S. S. E. by airs. At 9.30 mustered the crew for inspection. Received from U. S. R. S. "Vermont" with bags and hammocks, and transfer papers, Frank S. Porter, Ch. M. a. a. and Boys F. Way, Ch. L. M. The Boundy Officers of the "Massachusetts", "Texas" and "New Orleans" returned the call of the Boundy Officer. At 11.00 the U. S. T. S. "Alliance" got underway and stood out to sea.
Ralph Earle
Ensign, U. S. N.

Meridian to 4 P. M.
Fair and pleasant. Light to gentle S. W. breezes. Received on board from Training Station a draft of 143 apprentice boys with their bags, hammocks, and necessary transfer papers. Engaged in assigning stations to the apprentices.
C. W. Fahs
Lieut. U. S. N.

4 to 8 P. M.
Clear and pleasant. Light to gentle W. S. W'ly and West'ly breezes. At 4.30 held fire drill and after that served out clean hammocks. Received the following men with their bags and hammocks from the U. S. R. S. "Wabash": J. Mahony, C. G. M., T. P. Sweeny, Sea., W. A. Simpson, Sea., W. B. Seiler, C. Mach., J. E. West, B. M. 2 c., F. Bromberger, Cox., W. T. Hogan, Sds., D. A. Henderson, S. C. 4 c., E. McLaren, Ale. & F. McManus, F. 1 c., and A. Pederson, B. M. 1 c.
Ralph Earle
Ensign, U. S. N.

8 P. M. to Midnight.
Fair and pleasant. Light to gentle breeze from W. S. W. to West. Moon rose at 10.10.
C. W. Fahs
Lieut. U. S. N.

Examined and found to be correct.

E. F. Leiper
Navigator.

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.				Moored to buoy.														
1				N.W. x W.	S.W.	2			30.22	66	64	63		b.c.w.	c-cu		1	
2				W. x S.	"	2			30.21	66	64	63		"	c-s		1	
3				S.S.W.	"	1			30.20	66	63	63		"	c-cu		4	
4				South	"	1			30.20	66	63	63		"	c-s		5	
5				"	"	1			30.20	68	63	63		lr.	"		6	
6				S.W.	"	1			30.19	69	64	64		"	"		6	
7				"	"	2			30.18	70	66	64		"	"		6	
8				"	"	2			30.18	70	67	65		"	"		6	
9				"	"	3			30.17	74	68	66		"	s-cu		9	
10				"	"	3			30.16	74	68	67		"	"		9	
11				W.S.W.	W.S.W.	3-4			30.16	71	67	66		o.c.d.	n		10	
Noon.				"	"	3			30.15	71	66	65		o.c.r.	"		10	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 78-75 74-72.

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 128 " 585 "

P. M.				Moored to buoy														
1				W by S.	W.S.W.	2			30.12	71	67	66		o.c.r.	n		10	
2				S.S.W.	S.W.	1			30.10	74	67	67		"	"		10	
3				"	"	1			30.09	75	67	67		o.c.d.	"		10	
4				"	S.S.W.	2			30.08	75	66	66		o.c.p.	"		10	
5				S.W.	W.S.W.	3			30.06	74	66	66		o.c.d.	"		10	
6				"	"	3			30.03	73	67	66		"	"		10	
7				W.S.W.	"	3			30.02	73	67	66		o.c.d.	"		10	
8				"	"	2			30.02	73	67	66		"	"		10	
9				W by N	Calm.	0			30.02	72	67	66		"	mm		10	
10				S.W.	"	0			30.02	72	67	66		o.c.r.	"		10	
11				N.E.	N.E.	3			30.00	71	65	65		o.c.d.	"		10	
Mid.				"	"	2			30.00	71	65	65		"	"		10	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday June 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Clear and pleasant. Cool. Bright moonlight. Light airs to light breezes from S.W. Ship swinging to flood.

R R Baldwin Ensign, U.S.N.

4 to 8 A M.

Cloudy to fair and pleasant. Light S.W'ly airs and breezes. Scrubbed hammocks. C. Wheeler, Ch. Gro., went on six days leave of absence. At 7.30 the flagship made the uniform and time signal. Received in Pay Dept. 47 lbs. fresh bread, and 58½ lbs each of fresh beef and vegetables.

Joseph Earle, Ensign, U.S.N.

8 A M to Meridian.

Cloudy to overcast. Rainy last two hours. Gentle and moderate breezes from S.W. and W.S.W. Captain T. E. Chadwick of the "New York" called officially on the Commander. Assigning stations to the apprentices for furling, loosing, and reefing. Exercised at loosing, furling and reefing

C. W. Parks Lieut. U.S.N.

Meridian to 4 P M.

Overcast. Rainy last hour. Light airs and breezes from W.S.W. to S.S.W. Barometer falling. At 1.30 went to quarters to station apprentices. Received in the Pay Dept. $15,000 in gold consisting of $5,000 each of 10's, 5's, and 2½ pieces. By order of Bureau of Navigation, the following men were transferred to the U.S.R.S. "Wabash": G. W. Fischer, C. G. M., J. A. Costain, C. Mach., H. Ruschman, Asst. Engr., E. Handley, Seaman, and P. J. Braun, C. to C.

A Hurlburt Ensign, U.S.N.

4 to 8 P M.

Overcast with occasional light rain. Gentle to light breeze from W.S.W.

C W Parks Lieut. U.S.N.

8 P M. to Midnight.

Light to gentle breeze from N.E. and calms. Barometer steady. Rainy.

A Hurlburt Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.				Moored to buoy														
1				N. x E.	N. E.	4			29.76	67	63	63		o.ertl.	nm		10	
2				"	"	4			29.95	67	63	63		"	"		10	
3				N. N. E.	"	4			29.94	64	63	63		"	"		10	
4				"	"	4			29.91	64	62	62		"	"		10	
5				"	"	3			29.90	66	58	58		"	"		10	
6				N. E.	"	3			29.89	66	58	58		o.c.	"		10	
7				N. N. E.	N. N. E.	3			29.95	66	58	58		"	"		10	
8				"	"	4			29.99	67	58	58		"	"		10	
9				"	"	3			30.01	69	58	57		o.c.	"		10	
10				"	"	3			30.02	69	58	57		"	"		10	
11				N. x W.	"	3			30.04	73	62	59		b.c.	a.cu		6	
Noon.				North	"	2			30.05	74	64	60		"	a.cu		3	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 127 " 2075 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.				Moored to buoy														
1				North	North.	2			30.04	75	66	63		b.c.	cu.		4	
2				"	"	2			30.04	77	69	65		"	"		3	
3				"	"	2			30.04	79	71	67		"	"		2	
4				"	Calm.	0			30.05	80	72	67		"	"		2	
5				W. S. W.	"	0			30.05	82	70	66		"	"		2	
6				S. W.	S. W.	2			30.08	84	70	65		"	"		2	
7				"	"	2			30.10	84	67	65		"	"		2	
8				"	"	2			30.09	78	65	65		"	"		2	
9				"	"	1			30.06	71	63	62		"	"		1	
10				S. W. x S.	Calm.	0			30.06	69	63	62		4	cu-cu		1	
11				N. W.	N. N. W.	3			30.07	66	63	61		b.	None		0	
Mid.				N. N. E.	N. N. E.	2			30.07	67	64	61		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday June 29, , 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy, and rainy, with thunder and lightning. Moderate breezes from N. E. Barometer falling slowly.

W. J. Marion,
Ensign, U.S.N.

4 to 8 A.M.

Overcast and rainy. Gentle to moderate breezes from N. E. and N.N.E. Received in Bay Dept. for the crew fresh provisions as follows: 47 lbs. bread, 5-8½ lbs. beef, and 5-8½ lbs. vegetables. At 7.30 the Flagship "New York" made time and uniform signals.

Em Dahn
Asst. Surg. U.S.N.

8 A.M. to Meridian.

Cloudy to fair and pleasant. Gentle to light N.N.E. breezes. At 9.30 mustered at quarters. Instructed apprentices at stations. Moored at 11.00. The Commander assigned following punishment to J. Meagher, J.M. 1.C. for insubordination and profane language - 2nd Class. [illegible]

Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light breezes from North. Barometer steady. Instructed fore and main top-gallant and royal yardmen in loosing and furling sail. Half masted colors, following "Constellation" during a funeral at the Training Station. The following men left the ship on a furlough of 5 days each. J. A. Sheehan (Ch. C.M.), J. Nolan, (L. Sea.) L.W. Kelly (B.M. 1.C.), and F. McCarty (Ord.). Mustered at quarters and turned in clean hammocks.

W. J. Marion,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Calms and light S.W. breezes. Barometer rising first 3 hours. O.L. Rusk (Mach. 1.C.) left the ship on 5 days leave of absence.

[illegible]
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light airs from S.W. calm, gentle breeze N.N.W. and light breeze from N.N.E. About 10.00 a bright beam of light (Northern light) was visible in the heavens to the N.W. Moon rose about 11.15

W. J. Marion,
Ensign, U.S.N.

Examined and found to be correct.

S. F. Leiper,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3 Rate,

Moored to Buoy, Newport, R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, scale 10.	State of the Sea.
A. M.	Moored to buoy.																	
1				North	North.				30.08	68	65	60		b.	none		10	
2				"	"	2			30.08	68	67	60		"	—		10	
3				"	"	2			30.08	68	67	60		bc	b.		9	
4				"	"	3			30.09	68	67	60		"	"		9	
5				"	"	3			30.09	68	65	58		"	"		9	
6				West	W.N.W.	3			30.16	70	62	56		"	"		9	
7				"	" "	3			30.22	73	63	57		"	"		9	
8				W.N.W.	" "	3			30.22	74	63	57		"	"		9	
9				North.	North	3-4			30.22	85	65	59		"	"		8	
10				"	"	3-4			30.22	80	67	60		"	cu		7	
11				"	"	3-4			30.23	79	67	61		"	"		8	
Noon.				"	"	3-4			30.22	79	67	61		"	"		8	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ East. aft.

Position at noon: { Latitude by observation ° ′ ″ 77-78 73-72
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 800 gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 126 " 1315 "

P. M.	Moored to Buoy			North	North	2			30.23	79	67	64		bc	ci		9	
1				N. by W.	"	2			30.23	79	74	65		"	"		9	
2				"	N.N.E.	2			30.24	81	76	68		"	"		9	
3				"	"	1			30.24	81	76	68		"	"		8	
4				North.	North	2			30.25	80	74	69		"	cu		6	
5				N.N.E.	N.N.E	1			30.27	80	74	69		"	a-cu		5	
6				S.W.	Calm	0			30.29	79	72	69		"	"		5	
7				S by W	"	0			30.31	78	69	60		"	"		6	
8				S.S.E.	S.E.	1			30.31	72	64	143		B.M.	none		10	
9				"	"	1			30.30	68	63	63		"	—		10	
10				South	South	1			30.30	66	62	63		"	—		10	
11				S.W.	S.S.W.	1			30.30	65	63	62		"	—		10	
Mid.				"	"	1			30.31	65	63	63		"	—		10	

4—15

under the command of Commander Frank Courtis, U. S. Navy,
Friday June 8th, 1889.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cool. Light to gentle breze from North
D. L. Baldwin
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Gentle N.W. breze. Barometer rising first two hours, steady last two. Hoisted gallent yards up and down. Feed the pay Department following fresh provisions 47 lbs fresh bread 50 3/4 lbs sack of potatoes and vegtables Mr Gilmore and Eds returned from Liberty 24 hrs. pass time
W. J. Manion
Ensign U.S.N.

8 A.M. to Meridian
Clear and pleasant. - Gentle to stiff breezes in squalls from North - Barometer steady - At 9:30 mustered at quarters - Absentees W. B. Seiler, (Ch. Mech.) absent over leave - After quarters all divisions exercised at main and secondary batteries - Signal at 11:46 - by rowboat from Training Station to this ship "Send boat for one man" Hoved out bilge pipes to 1st 2nd 3rd and 4th divisions
W. J. Manion
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Mann. Light airs to light breze from N. N.E. and North. W. Burton (Ed) reported on board from the U.S.S. Mohican stating he was transferred to this vessel but had not had leave proper while on station. A. Hendrickson (Cox) left the ship on five days leave. O. L. Johnson (Cox) left the ship on three days leave. Hoisted magazine flood. cocks and drained and opened them in good condition. At 3:00 o'clock sent up fore and main topgallent yards. The Admiral returned to the flagship and hoisted his flag. Issued oil skins to 5th Division. Cleaned and flushed bilges + disinfected them
D. L. Baldwin
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant, light airs from N.N.E. and S.E. and calms. Barometer rising slowly - M.C. Merchant (S.M.M.) left the ship, having been granted two days furlough - At 5:30 sounded fire alarm and the divisions reported as follows: 1st Div - 1 1st 15 4th Navigators, 1 1st 30 4th, Pdr Div. 3 3rds; 2nd Div. 2 2nds 1 3rd; 3d Div - 2 2nds 5 3rds; 5th Div. 5 3rds - Sent boys aloft, royal yardmen to the funnel, others on the crosstrees
W. J. Manion
Ensign U.S.N.

8 P.M. to Midnight
Clear and pleasant. Starlight. Light airs from S.E. South and S.S.W. A heavy dew falling. Moon rose at 11:45
D. L. Baldwin
Ensign U.S.N.

Examined and found to be correct.

APPROVED.

Frank Courtis
COM'D'R., U.S.N., COM'D'G.

Navigator.

LOG of the UNITED STATES *Training Ships Essex* 3 Rate,

Moored to Buoy, Newport. R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-8.	State of the Sea.
A. M.	*Moored to Buoy.*																	
1				S.S.E.	Calm	0			30.30	65	62	61		b.c.	none		0	
2				N. by E.	North	1			30.30	64	61	60		"	"		0	
3				N. by W.	Calm	0			30.30	64	61	60		b.c.	Ci		1	
4				N.N.W.	North	1			30.31	64	60	59		"	"		1	
5				"	"	1			30.33	68	61	61		b.c.	"		1	
6				N.E.	"	1			30.36	69	66	65		"	"		1	
7				West.	"	1			30.38	70	66	65		"	"		1	
8				S.W.	"	1			30.38	72	69	68		"	"		1	
9				S.S.W.	Calm	0			30.40	76	74	72		"	"		1	
10				S. by W.	S.S.W.	1			30.41	75	75	70		"	"		1	
11				S.S.W.	"	2			30.39	77	73	68		"	"		2	
Noon.				S. by W.	"	2			30.37	75	74	69		"	"		3	

Position at 8 A. M. { Latitude by ° ' " *Temp of Mag.*
Longitude by ° ' " *Yard aft*

Position at noon: { Latitude by observation ° ' " *75-74* *71-70*
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water *Distilled*, during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, / tons, 1285 lbs.

Coal remaining on hand at noon, 125 - 30 "

P. M.	*Moored to Buoy.*																	
1				S.W.	S.W.	3			30.35	78	74	68		b.c.	ci		3	
2				S.W. by W.	"	2			30.35	74	74	67		"	"		2	
3				"	"	2			30.35	76	74	67		"	"		2	
4				"	"	3			30.35	76	74	67		"	"		2	
5				West.	W.S.W.	3			30.33	76	70	66		"	"		3	
6				W.S.W.	"	2			30.32	74	69	66		"	"		4	
7				"	"	3			30.31	72	67	64		"	"		4	
8				S.W.	"	2			30.30	70	64	63		"	"		6	
9				"	"	3			30.32	72	66	64		"	b.c.		6	
10				W.S.W.	"	2			30.32	72	65	64		"	"		3	
11				"	"	3			30.32	71	66	64		"	"		3	
Mid.				"	"	3			30.31	70	64	62		"	"		1	

under the command of Commander Frank Coutts, U. S. Navy,

Saturday July 1, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.
Clear and pleasant. Calm and light Nly airs
Moonlight. D.B. Vanie, G.M.2c, returned from leave.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.
Clear and pleasant. - Light airs from north. - Barometer rising. Received on the Department of supplies the following fresh provisions 195 lbs beef, 68 lbs vegetables, 51 lbs bread. The following made time and uniform signal at 7:30, Special Signals 650, 695 and 714.

W. H. Hanion,
Ensign U.S.N.

8 A.M. to Meridian
Clear and pleasant. Calm to light breeze from S.W. Field day Cleaning. Lieut E.E. Wright U.S.N. left on two days leave. A General Court-Martial met at 10:30 on the Massachusetts, and adjourned at 11:45 Temperature of Magazine Forward 75-74 Aft. 71-70 Mustered at Quarters at 8:45 Absentees W.R. Galen, C.M. James Roach, P.M.

F. R. Baldwin
Ensign U.S.N.

12 to 4 P.M.
Cloudy and pleasant. Gentle S.W. breeze. Barometer steady. Chaplain C.A. Parke U.S.N. was detached and ordered home. Comd'r J.J. Hunker U.S.N. paid an official visit to the Comd'g Officer.

W. H. Hanion
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Light to gentle breeze from W.S.W. Chaplain Thomas Abell U.S.N. reported on board for duty as the relief of Chaplain C.A. Parke U.S.N. by order of Department dated June 22 1899. W.W. Crawford B.M. 1.c. returned from 5 days leave.

F. R. Baldwin
Ensign U.S.N.

8 to Midnight
Clear, cool and pleasant. Gentle to S.W'ly breeze. J.J. Dunikin, F.1c., J. Bowen, C.P. and F. McCarty, 1.de returned from leave.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 2d Rate,

Moored to Buoy Newport R I

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, observed.	State of the Sea.
A. M.	Moored to Buoy.																	
1				W S W.	W S W.	3			30.23	68	64	63		b C.	Ci Cu		2	
2				"	"	3			30.27	68	64	63		"	"		2	
3				"	"	4			30.27	68	64	63		"	"		2	
4				"	"	3			30.27	67	64	63		"	"		2	
5				"	"	3			30.25	68	65	64		"	"		3	
6				"	"	3			30.25	68	65	64		"	"		3	
7				S W.	"	3			30.26	68	66	65		"	"		2	
8				"	"	3			30.26	68	66	65		"	"		2	
9				"	"	2			30.28	71	68	66		"	"		3	
10				"	S W.	2			30.26	72	68	66		"	"		3	
11				S W by W.	"	5			30.25	72	68	66		"	Ci		3	
Noon.				"	"	5			30.23	72	63	66		"	"		3	

Position at 8 A. M. { Latitude by ° ' " Tempt of Magazine
Longitude by ° ' " Ford. Aft.

Position at noon: { Latitude by observation ° ' " 73.73 - 70.70
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 1 tons, 1190 lbs.

Coal remaining on hand at noon, 133 " 1080 "

P. M.	Moored to Buoy.																	
1				S W.	S W.	5			30.22	75	69	67		b C.	Si		1	
2				"	"	5			30.22	75	69	67		"	Ci		1	
3				"	"	5			30.21	74	69	67		"	"		1	
4				S W by W	S W by W	5			30.21	76	69	67		"	"		1	
5				W by S.	"	5			30.21	77	68	67		"	"		1	
6				"	"	5			30.21	73	67	66		"	"		1	
7				"	"	4			30.21	73	67	66		"	"		1	
8				S W.	"	3			30.21	72	67	66		"	"		4	
9				"	"	2			30.21	68	66	65		Above	none		0	
10				"	S W.	3			30.21	68	65	64		"	"		0	
11				"	"	2			30.21	68	65	64		"	"		0	
Mid.				"	"	4			30.20	68	65	64		"	"		0	

under the command of Commander, Frank Courtis, U. S. Navy,

Sunday July 2, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m.
Clear and cool. Gentle to moderate breezes from N. & W. Moon rose at 12.

C. M. Fahs
Lieutenant U.S.N.

4 to 8 A.M.
Clear and pleasant. Gentle breeze from N.W. Received on Pay Department for issue 198½ lbs fresh beef, 198½ lbs vegetables, 51 lbs. bread. At 7.30 flagship made time and uniform signals 68, 195 and 710.

W. P. Baldwin
Ensign U.S.N.

8 A.M. to Meridian
Clear and pleasant. Moderate to stiff N.W. by W. to S.W. by W. breezes At 9.30 mustered at quarters, absentees — N.B. Sellew, C.M., J. Roach, painter, C.J. Johnson, 1/C overleave and J.J. Brennan, seaman, absent without authority. Capt. of Forecastle inspected crew at quarters and the ship. The Chaplain held divine service. J.K. Bingham was returned from leave.

Ralph Earle,
Ensign U.S.N.

Mer to 4 P.M.
Fair and pleasant. Stiff S.W. breeze Received Pay Department 108 lbs bread for apprentices.

C. M. Fahs
Lieutenant U.S.N.

4 to 8 P.M.
Clear and pleasant. Stiff to gentle S.W. by W. by W. breezes — at 6, ships tanks being filled, stopped, distilling and allowed fires to die out under A & B boilers. At 7 the Chaplain held evening prayers.

Ralph Earle.
Ensign U.S.N.

8 to Midnight
Fair and cool. Moderate and gentle breezes from S.W. by W. to S.W. Alexander McGregor (B.M. 2c) reported on board from the U.S.S. Richmond, bringing his orders and C.S.C. No. 11173. His Enlistment and transfer Account and clothing list had previously been received by mail.

C. M. Fahs
Lieutenant U.S.N.

Examined and found to be correct.

S. F. Leiper.
Lt. Navigator.

LOG of the UNITED STATES *Training Ship Essex* 3 Rate,

Moored to Buoy. Newport. R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Clods.	Amount, 0 to 10.	State of the Sea.
A. M.																		
1				*Moored to Buoy*	*S.W.*	*4*			*30.20*	*67*	*65*	*64*		*b.*	*mm*	*0*	*0*	
2				*S.W.*	"	*4*			*30.20*	*67*	*65*	*64*		.			*0*	
3				*W.S.W.*	.	*3*			*30.19*	*67*	*65*	*64*		*bc*	*cir*		*2*	
4				"	.	*3*			*30.18*	*67*	*65*	*64*		.	.		*3*	
5				*N.W. by W.*	.	*3*			*30.19*	*67*	*64*	*64*		"	.		*3*	
6				"	.	*3*			*30.19*	*67*	*64*	*63*		.	.		*3*	
7				*S.W.*	.	*2*			*30.21*	*70*	*67*	*66*		.	.		*3*	
8				"	.	*2*			*30.22*	*71*	*68*	*67*		"	.		*3*	
9				"	.	*2*			*30.24*	*71*	*69*	*68*		"	.		*3*	
10				.	.	*2-3*			*30.24*	*77*	*69*	*68*		"	.		*2*	
11				.	.	*2-3*			*30.24*	*77*	*69*	*68*		.	.		*2*	
Noon.				.	.	*3*			*30.24*	*77*	*69*	*68*		.	"		*2*	

Position at 8 A. M. { Latitude by ° ′ ″ *Trumpt of Magagnie.*
Longitude by ° ′ ″ *Ford Lt.*

Position at noon: { Latitude by observation ° ′ ″ *73-72* *41-70*
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *500.* gallons.

Water *Distilled* during the preceding 24 hours, *600* "

Water remaining on hand fit for use at noon, *9600* "

Coal consumed during the preceding 24 hours, tons, *1425* lbs.

Coal remaining on hand at noon, *122* " *1895* "

P. M.																		
1				*Moored to Buoy*														
2				*S.W.*	*S.W.*	*3*			*30.24*	*77*	*70*	*63*		*bc.*	*ci*		*2*	
3				"	"	*3*			*30.23*	*77*	*71*	*68*		"	"		*2.*	
4				"	"	*4*			*30.21*	*75*	*70*	*65*		"	"		*2*	
5				.	.	*4*			*30.21*	*78*	*68*	*66*		.	.		*3*	
6				*S.W. by W.*	*S.W. by W.*	*4*			*30.19*	*71*	*69*	*68*		*b.*	*mm.*		*0*	
7				"	.	*4*			*30.19*	*73*	*69*	*68*		.	.		*0*	
8				"	"	*4*			*30.20*	*71*	*67*	*67*		*bc.*	*s.*		*1*	
9				.	.	*4*			*30.20*	*70*	*66*	*66*		*bcw*	"		*1*	
10				*S.W.*	*S.W.*	*4*			*30.21*	*69*	*66*	*66*		"	.		*1*	
11				"	.	*4*			*30.21*	*69*	*66*	*66*		.	"		*1*	
Mid.				"	"	*4*			*30.21*	*69*	*67*	*66*		"	"		*1*	

under the command of Commander Frank Cunter, U. S. Navy,

Monday, July 3, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.
Clear and pleasant. Moderate to gentle S.W. breze. Barometer falling slowly Moon rose at 12.45

W. H. Allen
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant. Gentle to [illegible] W.W. Wly breezes. At sunrise dressed ship with the remainder of the N.A. Squadron in honor of the anniversary of the battle of Santiago. Paid in Pay Dept. 159 lbs fresh beef and 198 lbs the each ration of fresh beef and vegetables.

Ralph S. Earle
Ensign U.S.N.

8 A.M. to Mer.
Clear and pleasant, light to gentle S.W. breze. At 7.30 inspected at quarters. Absent on leave W. B. Seiley (Chief Yeo) James Reed (painter) C. J. Johnson, F.I.C. T. P. Sweeny (Sea) W. J. Drummond (Sea) P. Anderson (S.C. 1 cl.) D. K. Vanie (Yeo 2 cl.) J. Gray (C.R.) Absent without leave J. J. Brennan (Sea) The following men returned from leave: J. A. Manning (S.C. 1 C.) M. Doran (B.M. 2 C.), A. L. Brown (Mach. 1 C.), M. Mahoney (C.G.M.), A. L. Johnson (Cook), and W. T. Merchant (S.M.M.) Long tricked apprentices in the running gear. At noon the U.S. Naval ships in the harbor including this ship, fired a salute of 21 guns each, in honor of the anniversary of our Naval Victory off Santiago de Cuba.

C. M. Fahs
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Gentle to moderate S.W. breze. Barometer falling. At 1.15, called away the four cutters for exercise at 3.00 stationed crews for abandon ship. J. Grady (B.M. 2 C.) returned from leave of absence.

W. H. Allen
Ensign, U.S.N.

4 to 8 P.M.
Fair and cool. Moderate breze from S.W. × W. At sundown undressed ship with the N.A. Squadron. At 7.55 dressed the yard-arms and mast-heads with lanterns.

C. M. Fahs
Lieut. U.S.N.

8 P.M. to Midnight
Clear and damp. Moderate S.W. breze. Barometer steady. A. B. Vassie (B.M. 2 C.), T. P. Sweeny (Sea), W. J. Drummond (Sea), returned from liberty 17 hours overtime. At 8.00 Squadron, Training Station and War College illuminated ships and [illegible] off at 11.30.

W. H. Allen
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper
Lt.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.			Moored to buoy.															
1				S.W.	S.W.	3			3020	67	65	65		bov.	mne		0	
2				"	"	4			3020	66	65	65		"	"		0	
3				"	"	3			3020	66	66	65		bcu.	ci-s		1	
4				"	"	3			3020	69	65	65		"	"		1	
5				West.	"	3			3022	69	66	66		bc	"		2	
6				W.N.W	"	3			3023	69	66	66		"	"		2	
7				S.W.	"	2			3024	72	66	66		"	"		2	
8				"	"	2			3024	71	66	66		"	"		2	
9				S.W. x S.	"	3			3026	72	70	68		"	cu.		1	
10				S.W.	"	4			3025	72	70	69		"	"		1	
11				"	"	5			3025	74	71	69		"	"		1	
Noon.				"	"	5			3025	77	71	69		"	"		1	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Mag. Temp. For. 73-72 Aft. 47-70

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, tons, 825 lbs.

Coal remaining on hand at noon, 122 " 1070 "

P. M.			Moored to buoy															
1				S.W.	S.W.	5			3025	76	71	70		bc.	cu		1	
2				"	"	5			3025	76	71	70		"	"		1	
3				"	"	5			3024	74	71	70		"	"		1	
4				"	"	4			3024	76	70	70		"	"		2	
5				"	"	4			3021	72	70	69		"	"		3	
6				S.W. x W.	"	4			3021	72	70	69		"	cu-cu		6	
7				W.S.W.	"	3			3021	71	68	68		"	"		4	
8				W. x S.	"	2			3021	69	67	67		"	cu		6	
9				S.W. x W.	"	2			3022	70	67	67		bcu.	cu		7	
10				S.S.W.	"	1			3022	68	67	67		ocf.	"		10	
11				S.W. x S.	"	1			3022	68	67	67		ocfr.	"		10	
Mid.				"	"	1			3022	68	67	67		"	"		10	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday July 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant, with heavy dew. Gentle and moderate breezes from S. W. Barometer steady. Moon rose at 1.30.

W. J. Manion,
Ensign, U.S.N.

4. to 8. A.M.

Fair and pleasant. Gentle to light S.W. breezes. At 4.30, dressed ship rainbow fashion with N.A. Squadron.

Lieut. U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Gentle to stiff S.W. breezes. Barometer steady. At 9.30 mustered at quarters. Absent over leave: J. E. Shepherd (Eds.), W.B. Seiler (C. Mch.), Charles Wheeler (C. Yeo), J. A. Sheehan (C.C.M.), L.M. Kelly (B.M.1.C.), J. Roach (Barber), A. Henderickson (Cox), C. J. Johnson (F.1.C.), J. Gray (C.R.). Absent without leave: J. J. Brennan (Sea). After muster instructed apprentices in stations for abandon ship and armed boat crew. L.M. Kelly (B.M.1.C.), and A. H. Henderickson (Cox), returned from leave 2 hours overtime. J. Hogan (Eds.) returned from liberty 2 hours overtime. At Noon, together with N.A. Squadron and the "Constellation" fired a salute of 21 guns. Two boat races were held between the ships of the Squadron and the "Old Colony" Crew.

Ensign, U.S.N.

Meridian to 4. P.M.

Clear and pleasant. Stiff and moderate breezes from S.W. Barometer steady. About 1.30, Chas. Wheeler (C. Yeo) returned from leave 5½ hours overtime. Sent apprentices over the cross trees. Naval reserve vessel came in and anchored.

W. J. Manion,
Ensign, U.S.N.

4. to 8. P.M.

Fair and pleasant. Clamp. Moderate to light S.W. breezes. Barometer steady. At sunset undressed ship with flag ships sent aloft lanterns on yard-arms as illuminations. The N.A. Squadron, "Constellation," War College and Torpedo Station, illuminated at sunset.

Ensign, U.S.N.

8. P.M. to Midnight.

Overcast, cloudy, and heavy dew with rain during last 2 hours. Light breezes and light airs from S.W. Barometer steady. Illuminations in honor of the day as in last watch. A tube of steam launch boiler was found to be leaking on its return from the 10 o'clock trip. W. J. Manion.
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lester.
Lieut. Navigator.

LOG of the UNITED STATES

Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10 to 1.	State of the Sea.
A. M.			Moored to buoy.															
1				S.W.	S.W.	1			3021	67	65	65		o.c.f.	none		10	
2				"	"	1			3019	67	65	65		"	"		10	
3				"	"	1			3019	67	65	65		o.c.f.	"		10	
4				S.W. x S.	"	1			3019	68	66	66		"	"		10	
5				S.W.	"	1			3019	70	65	65		"	"		10	
6				"	"	1			3019	70	65	65		"	"		10	
7				"	"	1			3019	70	66	66		"	"		10	
8				West	"	2			3019	72	68	65		"	"		10	
9				S.S.W.	"	1			3019	72	68	68		"	"		10	
10				"	"	1			3021	75	69	70		"	"		10	
11				"	"	1			3023	80	72	73		"	"		10	
Noon.				"	"	1			3023	79	73	73		"	"		10	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.
73-72 71-69

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 3 00 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 122 " 320 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10 to 1.	State of the Sea.
P. M.			Moored to buoy.															
1				S.W. x S.	S.W.	1			3021	77	72	72		b.c.f.	s.cu.d.W.		10	
2				S x W.	S.S.W.	2			3020	80	74	73		o.c.m.	"	"	10	
3				"	"	3			3017	79	73	73		o.c.f.	"	S.W.	10	
4				S.S.W.	"	3			3016	78	75	73		b.c.f.	S.	"	8	
5				S.W.	"	2			3015	78	73	73		o.c.f.	"	"	10	
6				"	"	2			3014	78	73	73		"	"	"	10	
7				"	"	2			3013	74	71	71		b.c.f.	"	"	8	
8				West	"	2			3012	73	70	70		"	"	"	9	
9				S.S.E.	South	2			3011	76	71	71		o.c.m.r.	s.cu.	S.	10	
10				S. x E.	"	2-3			3011	74	70	70		o.c.f.	ct	"	10	
11				South	"	2			3010	74	70	70		"	"	"	10	
Mid.				S. x W.	"	2-3			3008	74	70	70		"	"	"	10	

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday July 5th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A. M.
Foggy and wet. Light airs from S.W. Fogg lifted slightly at 1.30.
H. R. Baldwin
Ensign, U.S.N.

4. to 8. A.M.
Overcast and foggy. Light S.W. airs and breezes. Barometer steady. J. E. Shepherd (Fols) returned from liberty 24 hours overtime. Received in Pay & Sply. following fresh provisions; 159 lbs bread, 198½ lbs each of beef and vegetables.
W. J. Mannion
Ensign, U.S.N.

8. A.M. to Meridian.
Overcast cloudy and foggy. Light airs from S.W. Barometer rising. At 9.30 mustered at Quarters, after which exercised all hands in making and taking in sail. Absentees:- W.B. Suler (C. Mach), J. Roach (Yankee), C. J. Johnson (F.1.C.), J. A. Sheehan (C.C.M.), C. Doherty (F.1.C.) J. Gray (C.P.), P. Anderson (SC 4.C.), absent over leave and J. J. Brennan (Sea) absent without leave. J. W. Johnson (Commissary Yeo) reported on board with bag and hammock from the U.S.S. "Buffalo". M. Doran (C.M. 2.C.) and J. L. Bigham (Sea) returned on board 2 hours over liberty.
W. J. Mannion.
Ensign, U.S.N.

Meridian to 4. P.M.
Overcast and hazy. Fogs blowing in from sea from 12 to 12.30 and from 3 to 3.30. Light airs to light breezes from S.W. and S.S.W. Received coal lighter alongside from Training Station at 1.30 and took in 10 tons coal, finished at 3.30. At 3. a tube blew out in the steam launch.
H. R. Baldwin
Ensign, U.S.N.

4. to 8. P.M.
Generally overcast and foggy. Light breezes from S.S.W. Barometer falling. Exercised boats crews for about an hour. An oar of gig was broken during the exercise. Sent boys over the cross trees.
W. J. Mannion,
Ensign, U.S.N.

8. P.M. to Midnight.
Overcast. A light drizzling rain falling between 9.30 and 10.00. Light to gentle breeze from South.
H. R. Baldwin
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leuper.
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.			Moored to buoy															
1				S. S. W.	S. W.	2			30.06	73	70	69		o.cf.	cum.		10	
2				S. W.	"	1			30.05	73	70	69		"	"		10	
3				S. W. x S.	"	1			30.05	73	68	68		"	"		10	
4				"	"	1			30.05	73	68	68		o.cf.	"		10	
5				"	"	1			30.04	73	68	68		"	"		10	
6				"	"	1			30.04	75	68	68		"	"		10	
7				"	"	1			30.06	76	68	68		"	"		10	
8				"	"	1			30.08	76	68	68		"	"		10	
9				W. S. W.	S. W. x S.	2			30.06	77	69	69		"	"		10	
10				"	"	2			30.06	77	69	69		"	"		10	
11				"	"	2			30.07	77	69	69		bcf	"		8	
Noon.				S. W.	"	2			30.07	77	72	71		o.cf.	"		10	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.
73-71 71-70

Position at noon:
Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.:
Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 12 00 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 132 " 1070 "

P. M.																		
			Moored to buoy															
1				S. W.	S. W.	2			30.07	77	74	72		bcd	a-cus.	W.	8	
2				"	W. S. W.	4			30.07	77	72	71		"	"	"	8	
3				"	"	3			30.06	76	70	70		o.bcf.	min	"	10	
4				"	S. W.	3			30.05	77	71	71		bcm.	c-cu	"	6	
5				"	"	4			30.04	76	70	70		ocm.	c.	"	10	
6				"	"	3			30.03	76	69	69		ocf.	"	"	10	
7				S. W. x W.	"	3			30.04	74	69	69		"	St.	"	10	
8				W. S. W.	"	3			30.04	73	68	68		o.cdf.	"	"	10	
9				S. W.	"	3			30.05	72	67	67		"	"	"	10	
10				"	"	3			30.05	72	66	66		o.cd.	"	"	10	
11				W. S. W.	"	3			30.06	71	65	65		o.cdf.	"	"	10	
Mid.				S. W.	"	3			30.05	69	67	67		ocf.	"	"	10	

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Thursday July 6th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Overcast with light passing showers, and thick fog last half. Light S. W. breezes and airs

Ralph Earle,
Ensign, U.S.N.

4. to 8. A.M.

Overcast, cloudy and foggy. Light airs from S.W. Barometer rising. Rec'd in lieu of Supplies and Accounts, the following fresh provisions:- 198½ lbs beef, 198½ lbs vegetables, 159 lbs bread. At 7.00 A. J. Johnson (7.1.C.) returned on board 4 days over liberty. At 7.45 J. H. Sheehan (C.C.M.) returned on board 2 days and 45 minutes overtime. At 8. by order of the Comdg Officer, M. J. Mc Carrick (S.C.4.C.) was placed in confinement in double irons to await trial for leaving ship without permission and smuggling liquor on board on his return about 7.25 in the 7 o'clock market boat.

W. J. Marion. Ensign, U.S.N.

8. A.M. to Meridian.

Overcast with heavy fogg blowing in occasionally. Light breezes from S.W. & S. The Captain awarded punishments as follows: C. Wheeler (C.Yeo) 5 hrs over leave, 2nd Class; J. E. Shepherd (Lds) 24 hrs over leave, 4th Class; J. A. Sheehan (C.C.M.) 48 hours over leave, 4th Class; C. J. Johnson (7.1.C.) 96 hrs over leave, 5 days solitary confinement on bread and water; A. V. Wittmeyer (C.Yeo) attempting to smuggle liquor, 5 days solitary confinement on bread and water; M. J. Mc Carrick (S.C.4.C.) leaving ship without permission and attempting to smuggle liquor on board, confined to await trial by summary court-martial. By order of the Captain declared J. Gray (C.P.) a deserter from July 3rd and J. J. Brennan (Sea) from July 2nd. Sold the deserters effects at auction. Mustered at quarters at 9.30, absentees: W. B. Seiler (C.Mech.), J. Roach (Painter), C. Doherty (7.1.C.), P. Anderson (S.C.4.C.). Exercised divisions as follows: 1st Div. Ordnance instruction, 2nd Div. Skirmish drill, 3rd pistols 4th single sticks, 5th, small arms. Coal lighter from Training Station came alongside at 8.30 with 10 tons coal. Discharged lighter and sent to back at 10.30. It came back with 76 tons at 11.30. The Captain returned the call of the Comdg Officer of the Torpedo Station. Delivered to M. J. Mc Carrick (S.C.4.C.) specifications preferred against him by the Captain. Gunners gang loaded 145 saluting charges for 6-Pdr. By order of the Captain A. V. Wittmeyer (C.Yeo) & C. J. Johnson (7.1.C.) were placed in solitary confinement on bread & water for 5 days.

J. P. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Overcast to cloudy weather. Light passing showers and mist. Light to moderate S.W'ly to W.S.W'ly breezes blowing in squalls. Finished coaling at 1:30, having taken on board 2 tons 980 lbs. At 2:45 lighted fires under boiler B for distilling purposes. Instructed apprentices in the lead of gear. At 3.00 "Constellation" signaled to "Essex":- telegram for Comdg Off received from Boston - sent 1 man for "Essex" at 1.45. Overhauling the battery.

Ralph Earle, Ensign, U.S.N.

4. to 8. P.M.

Overcast. A heavy fogg blew in at 5.30, raising slight at 7.45. Gentle to moderate breeze from S.W. Cleaned coal lighter and sent it back to Training Station. Started distiller on ships tanks at 6.30.

J. P. Baldwin Ensign, U.S.N.

8. P.M. to Midnight.

Overcast, drizzling and foggy. Light to gentle S.W'ly breezes.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. T. Leiper,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, eastern'n.	State of the Sea.
A. M.			Moored to buoy															
1				S x W	S W	2			30 02	70	68	68		ocd.	Cr.	SW	10	
2				S S W	S S W	3			30 02	70	68	68		o.cdp.	"	"	10	
3				S W	S W	2			30 02	69	67	67		ocr.	"	"	10	
4				W S W	"	2			30 02	70	67	67		ocd.	"	"	10	
5				"	"	3			30 02	70	66	66		ocm.	S	"	10	
6				"	"	2			30 02	70	67	67		"	"	"	10	
7				"	"	2			30 04	70	67	67		"	"	"	10	
8				"	"	2			30 06	70	67	67		bcm	"	"	9	
9				W x S	"	3			30 07	72	69	69		"	cu.	"	5	
10				S W x W	"	3			30 07	72	71	71		"	"	"	4	
11				S W	"	3			30 08	73	73	72		"	"	"	3	
Noon.				"	"	3			30 08	73	73	72		"	"	"	3	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Mag. Temp. For. 72-71 Aft. 71-69

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 1325 lbs.

Coal remaining on hand at noon, 149 " 1565 "

P. M.																		
			Moored to buoy															
1				S W	S W	3			30 08	74	73	72		bc	cu.	SW	3	
2				"	"	3			30 09	76	73	72		"	"	"	3	
3				S W x S	"	3			30 10	75	73	72		"	"	"	3	
4				"	"	3			30 10	75	73	72		"	"	"	3	
5				S W x W	W S W	2			30 11	74	73	71		"	"	"	3	
6				"	"	2			30 13	73	71	69		"	a.cu	"	4	
7				"	"	2			30 13	72	70	68		"	"	"	4	
8				"	"	2			30 13	71	68	68		"	"	"	4	
9				W x S	"	2			30 15	71	68	68		bcw	"	"	7	
10				W S W	"	1			30 15	71	68	68		"	"	"	3	
11				S S E	"	1			30 15	71	68	68		"	"	"	2	
Mid.				S E x E	"	1			30 15	71	68	68		bcf	"	"	2	

under the command of Commander Frank Courtis , U. S. Navy,

Friday July 7th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A. M.

Overcast, with rain greater part. Light and gentle breezes from S. W.

C. M. Fahs
Lieut. U. S. N.

4. to 8. A. M.

Overcast, clearing last part. Light to gentle breeze from S. W. Received in Bay Supt. for issue, 159 lbs bread, 193½ lbs. beef, 5½ lbs vegetables.

H. L. Baldwin Ensign, U. S. N.

8. A. M. to Meridian.

Generally fair and pleasant with light moist. Gentle S. W'ly breezes. P. Anderson, S.C. 4.C., returned from liberty 4 days overtime. At 9.00 loosed sail to dry. At 9.30 mustered at quarters, absentees: W. B. Sailer, C. Mch, F. Wright, M. a. A. 2.C., J. Roach, Painter, and L. Doherty, F. 1.C. All divisions had routine drills, 1st period, and instruction in running rigging, 2nd period. At 10.00, a Summary Court Martial, of which Lieut. C. M. Fahs, was senior member, met for the trial of M. J. Mc Carrick, S.C. 4.C., and adjourned at 10.45 to await the action of the convening authority. Received from U. S. R. S. "Vermont", F. W. Hopkins and E. W. Whitehead, Seamen. Cleared bilges & transferred to Vermont At 10.30 the North Atlantic squadron got underway and stood out to sea. By order of the Senior Officer, J. Dolan, Sea, was rated as Captain of the hold to date from July 1st, 1899.

Ralph Earle.
Ensign, U. S. N.

Meridian to 4. P. M.

Fair and pleasant. Gentle S. W. breeze. At 1.30 exercised at sail drill. After sail drill, furled sail. Received in Equipment Dept., 6 coils of hemp cordage, consigned to the U. S. S. "Alliance". Tested magazine and shell room flood cocks and found them in good order. Ran the guns in and lifted them. Transferred to the U. S. R. S. "Wabash" with their bags, hammocks and transfer papers; E. J. Barwick, G. C. 1.C, J. Doone, Sds, and J. Dwyer, Sds.

C. M. Fahs
Lieut. U. S. N.

4 to 8. P. M.

Fair and pleasant. Light S. W'ly breezes. At 4.00 called all hands to muster and read the proceedings of the Summary Court Martial in the case of M. J. Mc Carrick, S.C. 4.C., in his presence. He was sentenced for leaving the ship without authority and for attempting to smuggle intoxicating liquor on board, "to be discharged from the U. S. Naval Service with a bad conduct discharge. He was then placed in double irons for safe keeping to await the approval of his sentence by the Secretary in accordance with the U. S. N. Regs, the sentence being approved by the Comdg Officer and S. O. P. At 5.30 exercised boat crews under oars. Received from U. S. R. S. "Wabash" J. Speers, Ch. Mch, with bag and hammock.

Ralph Earle.
Ensign, U. S. N.

8. P. M. to Midnight.

Fair and pleasant. Light W. S. W. breezes and airs.

C. M. Fahs
Lieut. U. S. N.

Examined and found to be correct.

E. F. Leiper.
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, in tenths.	State of the Sea.
A. M.			Moored to buoy															
1				S. S. E.	Calm.	0			30.15	71	68	68		ocuf.	nm	S.E.	10	
2				S. S. W.	"	0			30.15	71	67	67		"	"	S.W.	10	
3				"	"	0			30.15	71	67	67		"	"	"	12	
4				"	S. S. W.	1			30.15	70	67	68		"	"	"	10	
5				S. x E.	"	1			30.15	70	67	67		"	"	"	10	
6				"	"	1			30.12	70	67	67		"	"	"	10	
7				"	"	1			30.12	70	67	67		"	"	"	10	
8				"	"	1			30.12	70	67	67		"	"	"	10	
9				N. E. x E.	"	2			30.11	74	70	70		"	"	"	10	
10				S. x E.	"	2			30.10	74	70	70		"	"	"	10	
11				S. S. E.	"	2			30.10	76	70	70		"	"	"	10	
Noon.				S. x E.	S. W.	2			30.09	78	71	72		"	"	"	10	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag. Temp. For. Aft. 73-71 70-69

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 148 " 205 "

P. M.																		
			Moored to buoy															
1				S. W. x S.	S. W. x S.	2			30.07	76	72	72		ocdf.	N.	S.W.	10	
2				"	"	3			30.06	76	72	72		ocrtl.	"	"	10	
3				"	"	2			30.04	76	71	71		oc.	"	"	10	
4				S. S. W.	S. S. W.	2			30.02	76	70	70		ocdf	"	"	10	
5				"	"	3			30.00	76	71	71		"	"	"	10	
6				"	"	3			30.00	76	71	71		"	"	"	10	
7				S. W.	S. W.	3			29.97	76	71	71		"	"	"	10	
8				"	"	4			29.97	76	71	71		ocm.	"	"	10	
9				W. N. W.	"	3			29.94	74	70	70		ocrlt.	"	"	10	
10				West.	W. S. W.	6-4			29.94	75	69	64		ocpalt.	"	"	10	
11				S. S. W.	S. W.	2			29.95	73	68	68		bcl.	"	"	8	
Mid.				S. W. x S.	"	3			29.93	73	69	69		ocm.	"	"	10	

4-25

under the command of Commander Frank Courtis , U. S. Navy,

Saturday July 8th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and foggy. Calms and light S.S.W. airs. Barometer steady.

Walter Gee
Ensign, U.S.N.

4 to 8 A.M.

Overcast with fog and mist. Light S.S.W'ly airs. Received in Pay Dept 198¼ lbs fresh beef, 198¼ lbs. vegetables, and 1-4 lbs. bread. C. Doherty (7.1.C) returned on board 4 days overtime.

Ralph Earle, Ensign, U.S.N.

8. A. M. to Meridian

Overcast and foggy. Light breeze from S.S.W. to S.W. Engaged in cleaning ship. Hoisted steam launch.

C. McFarland
Lieut. U.S.N.

Meridian to 4. P.M.

Overcast and foggy. Rain second and third hours. Light to gentle S.W. x S. breeze. Barometer falling. The effects of the following men were sold at auction and realized the following amounts: W.B. Seiler (C.M.M.) $1.00, J. Roach (Painter) 1.40, F. Wright (M.a.a.2c.) 1.20, these men having been declared deserters from Cgday.

Walter Gee
Ensign, U.S.N.

4 to 8 P.M.

Overcast with slight drizzle at times. Foggy. Gentle S.W. breeze. The "Dolphin" came in flying the flag of the Assistant Secretary of the Navy, and anchored at 5.50. Fired a salute of 15 guns. The "Constellation" also fired a salute of 15 guns. The Comdg Officer called officially upon the Assistant Secretary of the Navy on board the "Dolphin."

C. McFarland
Lieut. U.S.N.

8 P.M. to Midnight

Overcast and cloudy. Very heavy rain second hour, accompanied by wind and brilliant lightning and thunder. Light to moderate breeze from W.S.W. to S.W. Barometer falling.

Walter Gee
Ensign, U.S.N.

Examined and found to be correct.

E. T. Leiper
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion. Forms.	CLOUDS. Amount. eastern.	State of the Sea.
A. M.			Moored to buoy.															
1				S. x W.	S. S. W.	3			29.93	69	68	68		o-c-d.	N.	S.W.	10	
2				"	"	3			29.90	69	68	68		o-c.	"	"	10	
3				S. W.	S. W.	3			29.89	68	68	68		"	"	"	10	
4				"	"	2			29.88	68	68	68		"	"	"	10	
5				"		2			29.88	70	68	68		o-c.	"	"	10	
6				S. S. W.	S. S. W.	2			29.88	76	67	67		b-c	cu-ct	"	9	
7				"		2			29.88	76	67	67		"	"	"	9	
8				S. W.	S. W.	3			29.88	75	67	67		o-c.	"	"	10	
9				"	"	3			29.87	75	67	67		b-c	"	"	9	
10				"	"	4			29.86	72	67	67		"	"	"	8	
11				"	"	4			29.86	74	67	66		"	cu-ac	"	5	
Noon.				"	"	4			29.86	74	69	66		"	"	"	5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For. Aft.

Position at noon: Latitude by observation ° ′ ″ 72-72 70-70
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 12 00 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 146 " 1985 "

P. M.																		
	Moored to buoy.																	
1			S. W.	S. W.	5			29.87	76	68	66		b-c	c-c.	S.W.	4	
2			"	"	5			29.87	77	70	68		"	"	"	4	
3			"	"	5			29.87	75	70	67		"	"	"	4	
4			"	"	5			29.86	73	70	66		"	"	"	3	
5			"	"	5			29.84	72	69	67		"	c-c	cu-ct	"	4	
6			S. W. x W.	"	4-5			29.85	72	69	67		"	"	"	3	
7			"	S. W. x W.	4			29.85	70	66	66		"	"	"	4	
8			"	W. S. W.	3			29.85	70	66	66		"	"	"	3	
9			West.	West	2			29.87	68	65	66		"	"	"	3	
10			W. N. W.	"	2			29.88	70	66	65		"	"	"	2	
11			"		2			29.88	70	65	65		"	"	"	2	
Mid.			"	W. N. W.	2			29.87	69	65	65		"	"	"	2	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday July 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cloudy; with drizzling rain during first hour. Gentle to light breezes from S.S.W and S.W. Barometer falling slowly.

W.J. Mygatt,
Ensign, U.S.N.

4 to 8 A.M.

Overcast and cloudy. Slight drizzle first hour. Light and gentle breezes from S.S.W and S.W. Received on Pay Depot for crew 159 lbs. fresh bread, 198¾ lbs fresh beef, and 195 lbs. fresh vegetables.

C.M. Dahl
Lieut. U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle to moderate S.W breeze. Barometer steady. At 9.15 inspected crew at quarters and at 9.30 called all hands to muster. Read articles for government of the Navy, after which held general muster. Absent over leave, E. McFarren (Asst). The Chaplain held divine service at 10.20. Emile Le Jeune (Sea) reported on board from the U.S.R.S. "Wabash" 48 hours overtime. The following men reported from U.S.R.S. "Wabash" with bags and hammocks, but without any papers; A. Gilson (B.M. 2.C), Chas Lay (Sea), and Frank Lotis (Sea).

Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Stiff breezes from S.W. Barometer steady.

W.J. Mygatt.
Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Stiff to gentle breezes from S.W. Barometer steady.

Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light breezes from West and W.N.W. Barometer rising slowly.

W.J. Mygatt,
Ensign, U.S.N.

Examined and found to be correct.

E.F. Leeper.
Asst. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eas-to-sk.	State of the Sea.
A. M.				Moored to buoy														
1				W. N. W.	W. N. W.	2			29.90	68	65	64		b.	none	–	0	
2				S. W. × W.	"	3			29.90	68	64	63		bc.	c.	W.	1	
3				W. S. W.	"	3			29.91	67	63	63		"	"	"	1	
4				West	"	3			29.91	67	63	63		"	c-cu	"	3	
5				"	"	3			29.94	67	63	63		"	"	"	4	
6				N. W. × W.	"	3-5			29.98	67	65	63		peque.	"	"	8	
7				N. N. W.	N. N. W.	4-5			30.00	71	67	64		"	"	"	8	
8				North	"	4-6			30.04	70	66	64		"	cu-n	"	8	
9				"	"	3			30.05	74	67	66		bc	"	"	5	
10				N. × W.	"	3			30.06	74	71	68		"	cu	"	4	
11				"	"	3			30.09	79	73	69		"	"	"	4	
Noon.				North	North	2			30.10	74	75	71		"	cu Fra	"	5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 73-72 71-70

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1950 lbs.

Coal remaining on hand at noon, 146 " 35 "

P. M.				Moored to buoy														
1				North	North	2			30.10	79	77	73		bc	F-cu	N.	4	
2				"	"	1			30.10	80	77	73		"	"	"	4	
3				W. × N.	"	1			30.10	80	77	73		"	"	"	4	
4				"	N. W.	1			30.12	82	78	74		"	"	"	4	
5				S. W.	S. W.	1			30.13	78	78	74		"	"	S. W.	3	
6				S. S. W.	"	1			30.14	78	74	72		"	"	"	2	
7				"	"	1			30.15	75	79	72		"	"	"	2	
8				"	"	1			30.16	72	71	71		"	cu	"	2	
9				"	"	1			30.16	71	67	67		bc	None	"	0	
10				West	"	1			30.18	68	67	67		"	"	"	0	
11				N. W.	"	3			30.19	70	67	67		"	"	"	0	
Mid.				N. N. W.	"	2			30.20	69	67	67		"	"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, July 10th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright starlight. Barometer steady. Light to gentle breeze from W.N.W.

E. L. Baldwin Ensign, U.S.N.

4 to 8 A.M.

Cloudy and cool. Gentle to moderate breeze from W.N.W. to W.N.W., with fresh squalls. Barometer rising.

Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Gentle breezes from N.N.W. and light breeze from North. Barometer rising slowly. At 9.30 mustered at quarters, after which the divisions were given oral instruction at the battery. Absentees at 9.30, L. F. Way (C.S.M.) and C. McFaron (Cabin) both absent over leave. At 9.15 the Assistant Secretary of the Navy left the "Adolphin" and landed at the Training Station; on leaving the Training Station the "Constellation" fired a salute of 15 guns. At 10.23 the Assistant Secretary boarded this ship, being received with side Honors, and the Comdg Officer, and Officers on the Quarter deck. The Assistant Secretary left the ship at 10.33, a salute of 15 guns being fired in his honor. By order of the Comdg Officer, James Speers (Mach. 1c.) was given an acting appointment as Ch. Mech., to date from July 9, 1899. Loosed sail. Furled sail before Assistant Secretary came on board and loosed sail after his departure. Exercised at "Abandon ship", everything being provided. Signals during the watch: "Essex" to "Adolphin", by wigwag, at 8.45 "Captain Courtis compliments to the Comdg Officer and wishes to know if the Secretary is coming aboard to-day; if so at what time", at 9.50, "Does the Secretary wish a salute fired"; "Adolphin" to "Essex" at 9.00 "Assistant Secretary will board Essex on his return from Training Station at about ten-thirty", at 9.45 "The Secretary wishes the Officers to remain in the uniform of the day", at 10.00 "At your discretion".

W. J. Mannion, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and warm. Light airs to gentle breeze from North. Barometer steady. Exercised the apprentices at "Arm and away boats" and in boats under oars. By authority of the Bureau of Navigation, discharged from the U.S. Naval Service Tamura Kanauki (Cab. Cook), he being undesirable and worthless. By order of the Bureau of Navigation, transfered to the U.S.R.S. "Wabash" M. J. Farley (B.M. 2c) C.S.C #10277, Chas. Fribcrg (Cox) C.S.C #12162, and Chas. Dilworth (F.1c.). By authority of the Bureau of Navigation the appointment of A. V. Wittmeyer as a Chief Yeoman was this day revoked. Received in Dept of Supplies and Accounts, 150 prs. white working trousers, 25 prs blue cloth trousers, to cover a shortage on a previous shipment.

E. L. Baldwin, Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light airs from S.W. Barometer rising slowly. The Comdg Officer of the "Adolphin" called officially upon the Comdg Officer of this vessel. Reported on board, having been transferred to this ship from the U.S.R.S. "Wabash" - B. A. Quarles (Cdo.) and L. P. Wilhelm (Cdo.)

W. J. Mannion, Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Bright starlight. Light airs to gentle breezes from S.W. Barometer rising.

Examined and found to be correct.

E. L. Baldwin Ensign, U.S.N.

E. L. Leiper, Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
A. M.			Moored to buoy.															
1				S. W. x W.	W. S. W.	2			30 22	69	67	67		b.	more		0	
2				"	"	1			30 21	68	67	67		"	"		0	
3				S. W.	"	1			30 21	68	67	67		"	"		0	
4				"	Calm.	0			30 22	68	67	67		bc.	cu.		1	
5				"	"	0			30 22	68	67	67		"	"		2	
6				S. S. W.	"	0			30 24	72	68	67		"	"		2	
7				South.	S. W.	1			30 27	72	68	67		"	"		2	
8				S. S. E.	"	1			30 28	76	76	73		"	a-cu		3	
9				S. S. W.	S. S. W.	1			30 29	77	76	74		"	cu.		2	
10				"	"	1			30 31	81	76	74		"	"		2	
11				West.	"	1			30 31	83	76	74		"	cu-cu		2	
Noon.				"	S. W.	3			30 31	79	75	73		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 72-71 71-70
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 55-0 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 215-0 "

Coal consumed during the preceding 24 hours, tons, 15-00 lbs.

Coal remaining on hand at noon, 145 " 775 "

P. M.																		
			Moored to buoy															
1				S. W.	S. W.	4			3031	82	44	73		bc.	cu.	-	1	
2				"	"	4			3031	83	75	79		"	"	-	1	
3				S. W. x S.	"	4-5			3030	79	74	78		"	3-cu S.W.		2	
4				S. W.	"	4			3030	80	75	78		"	a-c 3-cu	"	2	
5				"	"	3			3029	80	73	72		"	"	"	2	
6				S. W. x W.	"	3			3029	79	72	71		"	"	"	2	
7				S. W.	"	3			3027	74	70	69		"	cu.	"	1	
8				W. N. W.	"	2			3027	70	68	68		bcw.	cus	-	1	
9				S. S. W.	"	1			3027	70	68	68		bcw.	none	-	0	
10				"	"	1			30 27	70	68	68		"	"	-	0	
11				S. W. x W.	"	2			3027	70	67	68		"	"	-	0	
Mid.				West.	"	2			3026	69	67	68		bcw.	s	-	1	

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, July 11th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Light W.S.W'ly breezes and airs to calm.

Ralph Earle,
Ensign, U.S.N.

4. to 8. A.M.

Clear and pleasant. Calms and light airs from S.W. Barometer rising. At 7.15 the "Dolphin" left the harbor. Fresh provisions received on board in Dep't of Supplies and Accounts:- 169 lbs bread, 183½ lbs beef, 192½ lbs vegetables.

W.J. Marion,
Ensign, U.S.N.

8. A.M. to Meridian.

Clear and warm. Light airs to gentle breezes from S.S.W. and S.W. Mustered at quarters at 9.30 A.M, absentees, L.F. Way (C.2.M.), and E. McLaren (Oiler). Exercised at diversum drills as follows: 1st Div, Artillery, 2nd Div, Company, 3rd Div, Great Guns, 4th Div, Pistols, 5th Div, small arms. Received from the U.S.R.S. "Vermont" with bag, hammocks and necessary transfer papers, J. Delory (M. a. A. 2 C.), P. Schott (Painter), and T. Lawton (C.R.). The Captain awarded punishments as follows: M. C. Danielson (App. 3.C.), asleep on watch, 1 weeks extra duty; P. Anderson (S.C. 4 C.) slow in clearing lower decks, persistently insolent and insubordinate, 5 days solitary confinement on bread and water. By sentence of Summary Court Martial, M. J. McCarrick (S.C. 4 C.) was this day discharged from the U.S. Naval Service and from this vessel with Bad Conduct discharge. By order of the Captain, A. V. Wittmeyer (Yeo. 1.C.) and C. J. Johnson (Y. 1.C.) were released from confinement, their terms having expired. By authority of the Bureau of Navigation, A. V. Wittmeyer (Yeo. 1.C.) was transferred to the U.S.R.S. "Wabash" with necessary transfer papers. By order of the Captain, confined P. Anderson (S.C. 4 C.) for 5 days on bread and water. Bent and tried storm sails and bent main topmast Staysail.

T.R. Baldwin Ensign, U.S.N.

Meridian to 4. P.M.

Clear and pleasant. Moderate to stiff S.W'ly breezes. Exercised crew at sails, loosing and furling. Enlisted L.S.M. Franca as landsman for a term of 4 years. Received on board in Equipment Dep't, 50 ft. of wash deck hose.

Ralph Earle,
Ensign, U.S.N.

4. to 8 P.M.

Clear and fine. Gentle breeze from S.W. Sent boats out for exercise under oars at 5.30. Apprentices went in swimming.

T.R. Baldwin
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and pleasant. Light S.W'ly airs and breezes. Moon set at 9.00. D.S. Gary, Ch. Yeo., reported on board with bag, hammock, and transfer papers from U.S.R.S. "Franklin". E. McLaren, Oiler, returned from liberty 6 3 hours overtime.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored to buoy W. by N.	S. W.	2			30.24	69	67	67		bw.	Nme		0	
2				S. & x S.	"	2			30.24	68	67	67		"	"		0	
3				S. W.	"	2			30.24	68	67	67		"	"		0	
4				"	"	1			30.24	69	66	66		o-f.	Cu.		10	
5				"	"	1			30.24	70	67	66		"	"		10	
6				"	Calm.	0			30.24	70	67	67		"	"		10	
7				"	"	0			30.24	70	67	67		"	"		10	
8				S. W. x W.	S. W.	1			30.23	74	68	67		"	"		10	
9				W. S. W.	"	2			30.22	76	71	71		bcf	S.cu		3	
10				S. W.	"	1			30.24	80	72	72		"	"		3	
11				S. W. x S.	"	2			30.24	80	74	73		bcm	"	S.W.	3	
Noon.				S. W.	"	2			30.22	78	79	78		b.c.	"	"	8	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For Aft.

Position at noon: { Latitude by observation ° ' " 72-71 70-69
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 570 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 145 " 325 "

P. M.																		
1			Moored to buoy W. S. W.	S. W.	3			30.19	78	77	77		bc.	S.cu	-	4	
2			S. W.	"	3			30.19	78	74	74		"	"	-	5	
3			S. S. W.	"	3			30.19	78	74	74		"	a-cu	-	4	
4			"	"	3			30.19	78	74	73		"	"	-	4	
5			S. W.	"	3			30.15	78	73	73		"	cu	-	1	
6			"	"	3			30.13	81	72	71		"	cu	-	1	
7			W. S. W.	S. W. x W.	2			30.12	73	69	69		"	a-s	W.	3	
8			"	W. S. W.	2			30.12	72	68	68		bcb	"	"	5	
9			"	"	3			30.12	71	68	68		bcw	Rain	"	8	
10			"	"	1			30.12	71	67	68		bcp	"	"	8	
11			"	S. W.	2			30.09	71	66	67		o-cw	Rain	-	10	
Mid.			West	"	3			30.08	68	64	64		"	"	-	10	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, July 12th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. a.m.

Clear and cool. Light S.W. breezes. C. M. Fahs
Lieut. U.S.N.

4 to 8. A.M.

Overcast and foggy. Fog lifting at 7.30. Calm to light airs from S.W.

H. R. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.

Generally fair and pleasant with light fog and mist first part. Light S.W'ly airs and breezes. At 9.30 mustered at quarters, no absentees. Held routine divisional drills first period, and instruction in running rigging second period. W. Faub, C. S.M., reported on board with bag, hammock, and transfer papers from U.S.R.S. "Vermont." By order of the Condg Officer, L. F. Way, C. Q.M., was declared a straggler, and his accounts were transferred to the U.S.R.S. "Wabash".

Ralph Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Fair and pleasant. Gentle S.W. breeze. Hoisted steam launch's boiler and sent it ashore to the Training Station. Half masted colors with the Training Station during a funeral, being held from that place.

C. M. Fahs
Lieut. U.S.N.

4. to 8. P.M.

Fair to cloudy and pleasant, with lightning to W'd last hour. Gentle to light S.W'ly to W.S.W'ly breezes. Chaplain held evening prayers.

Ralph Earle,
Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy and cool. Light to gentle breezes from W.S.W. to S.W. Light passing showers first hour.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, tenths.	State of the Sea.
A. M.				Moored to buoy														
1				N. W. x W.	West.	3-4			30.06	69	66	65		bdl.	Cs.	W.	6	
2				West	"	4			30.04	68	66	65		"	"	"	3	
3				"	"	4			30.04	67	65	64		bc.	a-cu.	"	2	
4				S. W. x W.	W. N. W.	2			30.04	67	65	64		"	"	"	4	
5				South	W x S.	2			30.04	67	65	64		"	"	"	5	
6				S. W.	"	2			30.04	70	66	66		"	"	"	4	
7				West.	West	2			30.04	71	68	67		"	"	-	5	
8				"	"	2			30.05	76	71	69		"	"	-	5	
9				W. S. W.	W. N. W.	2			30.07	79	72	76		bcm.	cu.	-	6	
10				W. N. W.	"	1			30.06	80	73	76		"	"	W.	5	
11				N. W.	"	2			30.05	82	75	72		"	"	"	6	
Noon.				W. N. W.	West.	2			30.03	78	76	73		"	cu-s.	"	6	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 73-72 71-70
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by Lk R. 41° 4' 30" N.
Longitude by Lk R. 70° 43' 00" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, tons, 460 lbs.

Coal remaining on hand at noon, 143 " 2105 "

P. M.																		
1				W. N. W.	West.	2			30.02	78	76	73		bcm.	cu-s.	W	6	
2				Various.	"	2	PS.		30.02	78	76	73		"	"	"	6	
3				S. S. E.	"	3			30.01	74	76	73		"	"	"	6	
4			42.7	Various	"	2			30.00	74	75	73		"	"	"	6	L.
5	6	2	48.9	S. E. x E.	"	3			29.99	76	76	73		"	"	"	4	S.
6	7	9	56.8	"	W. S. W.	3			30.00	74	71	69	66	"	"	"	4	"
7	9	.5	66.3	"	"	4			30.01	77	70	67	66	"	"	"	4	"
8	8	6	74.9	"	West	4			30.02	75	70	67	66	bc	cu	"	2	"
9	8	1	83.0	"	S. W. x W.	3	2°-2°		30.02	75	70	67	66	"	"	"	7	"
10	8	0	91.0	"	"	3	2°-2°		30.02	74	70	67	66	"	"	"	7	"
11	9	0	100.0	"	"	3	3°-3°		30.02	74	70	67	66	"	"	"	8	"
Mid.	7	7	7.7	"	"	3	4°-3°		30.02	74	70	67	67	"	cu-cu	S-W	9	"

under the command of Commander Frank Courtis , U. S. Navy,

Thursday July 13th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Gentle to moderate breezes from West. Barometer steady.

W. F. Low
Ensign, U.S.N.

4 to 8 A.M.

Cloudy to pleasant. Light W. x S'ly to West'ly breezes.

Ralph Earle
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and hazy. Light breezes and airs from W.N.W. to West. At 9.30 inspected at quarters. The Commander reduced A. Henderickson (Cox) to 3rd class for persistantly smoking out of hours, and using reproachful words. By order of the Commander the rating of B. Williams (M. At.) was changed to Cabin Cook, to take effect from July 11, 1899. T. Borgeson (Mach. 1.C.) received a permanent appointment as Mach. 1.C. Tested life buoys and found them in good order. At 8.30 lighted fires in boilers A. B & C. Received with his bag and hammock W.H. Sundry (S.C 4.C) from the U.S.S. "Annapolis". Received on board from the Navy Yard, New York ... a boiler for the steam launch with ash pan and smoke stack. Sent the old ash pan & smoke stack ashore to the station. Engaged in securing for sea. Torpedo boat "Morris" left the harbor.

C. W. Dahm
Lieut. U.S.N.

Meridian to 4 P.M.

Fair and hazy. Light to gentle breeze from West. Barometer falling slowly. At 1.45 called "all hands to man ship". Slipped moorings and got underway at same time and stood out of harbor. Passed Brenton's Reef Light Ship at 2.30 and at 3.00 started to swing ships. Ships draft: for. 14'4"; aft. 16'-10". Swinging ship at end of watch.

W. F. Low
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant, hazy around horizon. Gentle breezes from West & W.S.W. Barometer falling slowly first part rising slowly afterward. Finished swinging ship about 4.10. At 4.15 took departure, set course S.E. ¼ E. sextant angles as follows: Sakonet Lt. to Beavertail Lt. 83°-50', Beavertail Lt. to Point Judith Lt. 53°-55' giving position lat 41°-22' N, Long. 71°-19' W. Went ahead full speed and set jib, fore and main topmast staysails, foresail, main trysail and spanker. Under sail and steam (boilers A. B. & C.). Av. steam 125; av. revs 335. Mustered at quarters at 5.15, no absentees.

W. J. Mannon.
Ensign, U.S.N.

6 to 8 P.M.

Fair and pleasant. Moderate breeze from W.S.W. and West. On course S.E. ¼ E. under steam and sail. Boilers A. B. & C., jib, fore topmast staysail, foresail, main topmast staysail, trysail and spanker. At 7.40 set fore topsail. Sent watch of boys over the masthead. At 6.10 Gay Head bore N. 45 E. & Vineyard Sound Lt. Ship N. 3° E. S. Tang. No. Mans Land N. 53° E. Ships Head S.E. ¼ E. At 8. P.M. Gay Head bore N. 10° W. (P.S.C.). Ships Head S.E. ¼ E. Av. steam 85; av revs 44.75

H. K. Eldredge
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and hazy. Gentle S.W. x W'ly breeze. Maximum roll 4°. Moon set at 9.30. At 11.30 log 103.5, took a sounding in 21 fath. white sand. On course S.E. ¼ E. (P.S.C.), under steam & sail as in previous watch. Av steam 5? lbs, av revs ??

Ralph Earle
Ensign, U.S.N.

Examined and found to be correct.

E. T. Leffer.
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direct.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.							P.S.											
1	8	3	16.0	S.E. ½ E.	S.W. x W.	2	4-2		30.01	68	67	67	66	bcw	cu-cu	S.W.	4	S.
2	8	1	24.1	"	"	2	4-3		30.00	69	67	67	65	"	"	"	4	"
3	8	0	30.9	E.S.E. ½ E.	"	2	4-4		29.99	69	67	67	64	"	"	"	4	"
4	8	0	39.9	"	"	3	7-5		29.99	71	67	67	64	"	"	"	5	"
5	7	5	46.4	"	"	3	7-5	¼	30.00	70	69	68	64	"	"	"	5	"
6	6	6	53.0	"	"	4	7-5	¼	30.01	71	69	68	56	"	"	"	8	"
7	6	8	59.8	"	"	4	5-4	¼	30.01	68	65	64	57	"	"	"	7	"
8	5	0	64.8	"	"	4	5-4	¼	30.01	66	64	63	60	"	"	"	7	"
9	5	6	70.4	"	"	4	5-4	¼	30.02	68	64	63	62	ocw	"	"	10	"
10	6	3	76.7	"	"	4	5-4	¼	30.02	68	67	64	64	"	"	"	10	"
11	5	1	81.8	"	"	3	5-4		30.03	68	66	66	63	"	"	"	10	"
Noon.	4	0	85.8	"	"	3	6-5		30.03	69	66	66	63	bc	S-cu	"	7	"

Position at 8 A. M.: Latitude by D. R. 40° 31' 18" N. Mag. Temp.
Longitude by D. R. 68° 56' 57" W. For. / Aft.
Position at noon: Latitude by observation 40° 22' 27" N. 73-72 71-70
Longitude by observation 68° 30' 15" W.
Latitude by D. R. 40° 29' 36" N.
Longitude by D. R. 68° 29' 30" W.

Course made good since preceding noon: S. 80° E.

Distance made good since preceding noon: 3. A. M. 5-4 miles.

Distance by Log since preceding ~~noon~~: 3. A. M. 5-4.9 miles.

Current per hour: 0.8 miles, set S. 5° W. true.

Position at 8 P. M.: Latitude by D. R. 40° 17' 00" N.
Longitude by Alt. ☉ 67° 47' 52" W.

Variation of compass: from Atlantic Pilot Chart 13° 15' W'ly

Error of compass observed at 6.13. P.M. 7° 40' W'ly

Deviation of compass on E. S. E. ½ E. 5° 35' E'ly

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 6 tons, 2160 lbs.

Coal remaining on hand at noon, 136 " 2185 "

P. M.							P.S.											
1	4	6	90.4	E.S.E. ½ E.	S.W. x W.	3	4-3		30.03	69	66	66	63	bc	cu-cu	S.W.	6	S.
2	5	0	95.4	"	"	3	4-3		30.03	69	67	66	63	"	"	W.	5	"
3	5	2	0.6	"	"	3	4-3		30.02	69	67	66	64	"	"	"	1	"
4	4	7	5.3	"	S.W.	3	4-2		30.01	70	67	66	63	"	"	"	1	"
5	4	1	9.4	"	"	3	4-2		30.02	70	67	66	63	"	"	"	2	"
6	3	3	12.7	"	"	2	4-2		30.02	69	66	66	63	"	"	"	2	"
7	3	5	16.2	"	"	2	4-2		30.02	68	66	66	63	bcw	"	"	2	"
8	3	2	19.4	"	"	2	4-2		30.02	68	65	65	63	"	oc	"	2	"
9	3	8	23.2	"	W.S.W.	2	5-3		30.01	67	66	66	64	bcw	nne		0	L
10	2	7	25.9	"	"	1	4-2		30.02	68	66	66	64	"	"		0	"
11	2	6	28.5	"	"	1	4-3		30.02	68	66	66	65	"	"		0	"
Mid.	2	6	31.1	"	"	1	4-3		30.02	68	66	66	65	"	"		0	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, July 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A. M.

Cloudy and pleasant. Light to gentle breeze from S. W. x W. Steaming on course S. E. ¼ E. (P.S.C.) with fore and aft sail and foresail and fore topsail set. At 12.45 sighted Nantucket Shoal Lt. Ship on port bow. The Lt Ship bore on the port bow, bearing E. ¼ N. (P.S.C.) at 2.12, pat log 25.5 and it bore abeam at 2.53, pat log 30.9. At 2.53 changed course to E. S. E. ½ E. (P.S.C.) Av steam 42.5; av revolutions. 42.3.

C. W. Fahs
Lieut. U. S. N.

4 to 8 A. M.

Overcast, cloudy. Gentle to moderate breeze from S. W. x W. Barometer rising slowly. At 4.30 set main topsail and fore & main topgallant sails. At 4.45 uncoupled 2d screw and proceeded under sail. Allowed fires to die out under 2 boilers and commenced to distill with the third. At 4.30 let two pigeons go and also at 6.30. Ship rolling easily. Sighted a four-masted schooner at daylight. On course E. S. E. ½ E. (P.S.C.). Under all sail, save mainsail, royals & flying jib at end of watch.

Wm. Crawford
Ensign, U. S. N.

8. A. M. to Meridian.

Overcast, cloudy and dewy, clearing last hour. Moderate and gentle breezes from S. W. x W. Barometer nearly steady. At 9.30 mustered at quarters, no absentees. Punishments awarded by the Condy Officer:- C. Doherty (1 C.) 96 hours over leave, 5 days solitary confinement on bread and water; H. La Berge (App. 3 C.), disobedience of orders, 28 hours extra duty. By order of the Condy Officer placed in solitary confinement on bread and water for 5 days, C. Doherty (1 C.). Got both bower anchors on bow and unbent chains & sent below to lockers. Drilled as per routine for Thursday. Released 2 carrier pigeons at 8.15, 2 at 9.30 and 2 at 11.10. At 11.08 set clock ahead 15 minutes, Fox C.S.T. (world time). Tested flood cocks and mains and found them in good condition. Sent boys over cross-trees. On course E. S. E. ½ E. (P.S.C.) under all sail, save mainsail, royals and flying jib.

W. Marlow
Ensign, U. S. N.

Meridian to 4. P. M.

Overcast. Clearing after 1. P. M. Gentle breeze from S. W. x W. Barometer steady. Under all plain sail to topgallant sails, & main topmast staysail. Instructed boys in lead of gear aloft. Ship riding easily to a long swell on starboard quarter. Ship rolling 4° port, and 3° starboard 8 times a minute. Cleaned and flushed bilges & disinfected them.

R. L. Belknap
Ensign, U. S. N.

4. to 6. P. M.

Clear and pleasant. Gentle S. W. by breeze. Ship rolling from 4° port to 2° starboard 5 times per minute. Exercised at sail drill from 5.15 to 6.00, furling topgallant sails, reefing topsails & foresail, and making sail again. On course E. S. E. ½ E. (P.S.C.) under same sail as previous watch.

Roger Earle,
Ensign, U. S. N.

6. to 8. P. M.

Fair and pleasant. Light S. W. breeze. All sail set save mainsail, flying jib, and royals. Course E. S. E. ½ E. (P.S.C.). Ship nearly steady.

C. W. Fahs
Lieut, U. S. N.

8. P. M. to Midnight

Clear, hazy around horizon. Very damp. Light breezes and airs from W. S. W. Barometer steady. At 9.15 took in main topmast staysail & at 9.30 took in spanker. On course E. S. E. ½ E. (P.S.C.). Ship rolling slightly at times. Long S. W. swell.

Albert Gleaves
Ensign, U. S. N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, tenths.	State of the Sea.
A. M.							P.S.											
1	2	0	33.1	E.S.E. ½ E.	W.S.W.	1	3-3	-	3002	69	67	67	65	bw	None		0	L
2	2	4	35.1	"	"	1	4-3	-	3002	69	67	67	65	"	"		0	"
3	2	7	37.8	"	"	1	5-3	-	3002	69	67	67	66	bsw	cir.		2	"
4	3	0	40.8	"	"	2	5-3	-	3002	69	67	67	66	"	"		2	"
5	3	3	44.1	"	"	2	4-3	-	3004	69	67	67	66	"	"		2	"
6	3	7	47.8	"	"	2	4-3	-	3006	69	68	67	66	bc.	cu-cu		2	"
7	4	5	52.3	"	"	3	4-3	-	3007	72	69	67	66	"	"		2	"
8	4	8	57.1	"	"	3	4-3	-	3008	73	69	68	66	"	"		2	"
9	3 ¼	4	60.5	E. ½ S.	"	3	4-3	-	3008	73	70	69	66	"	cu-s.		2	"
10	5	0	67.3	"	West	3	4-3	-	3009	74	73	71	66	"	"		2	"
11	5	1	72.4	"	"	3	4-3	-	3010	76	75	72	69	"	"		2	"
Noon.	3	9	76.3	"	"	3	4-3	-	3011	75	75	73	72	"	"		2	"

Position at 8 A. M. { Latitude by Lat. 40° 11' 47" N. Mag Temp. Aft
Longitude by Alt. 67° 2' 30" W. For 70-69

Position at noon: { Latitude by observation 40° 14' 26" N. 72-71
Longitude by observation 66° 34' 40" W.
Latitude by D. R. 40° 11' 23" N.
Longitude by D. R. 66° 32' 16" W.

Course made good since preceding noon: S. 85° E.

Distance made good since preceding noon: 89 miles.

Distance by Log since preceding noon: 90.5 miles.

Current per hour: 0.15 miles, set N. 31° W. true.

Position at 8 P. M. { Latitude by Lat. 40° 15' 54" N.
Longitude by Alt. 65° 38' 57" W.

Variation of compass: from Atlantic Pilot Chart 14° 45' W'ly.

Error of compass observed at 6.08 P.M. 7° 12' W'ly.

Deviation of compass on E. ½ S. 7° 33' E'ly.

Water expended during the preceding 24 hours, 5 00 gallons.

Water distilled during the preceding 24 hours, 15 00 "

Water remaining on hand fit for use at noon, 27 00 "

Coal consumed during the preceding 24 hours, 1 tons. 460 lbs.

Coal remaining on hand at noon, 135 " 1725 "

P. M.							P.S.											
1	4	6	80.9	E. ½ S.	West	3	2-3	-	3011	80	73	71	73	bc	N. cu	W.	2	L
2	4	6	85.5	"	"	3	3-3	-	3013	82	73	71	73	"	"	"	3	"
3	5	5	91.0	"	W. x S.	4	5-5	-	3013	82	74	71	73	"	"	"	4	"
4	6	3	97.3	"	W.S.W.	4	8-7	-	3013	79	74	71	73	"	cu.	"	2	"
5	6	1	3.4	"	W. x S.	4	-	-	3013	76	73	71	72	"	"	"	1	S.
6	5	9	9.3	"	West	4	-	-	3013	76	73	71	72	"	"	"	1	"
7	4	9	14.2	"	"	3	-	-	3015	76	72	71	67	bc	None	-	0	"
8	4	0	18.2	"	W. x N.	3	-	-	3016	76	71	71	70	"	"	-	0	"
9	3	9	22.1	"	W.N.W.	3	-	-	3017	74	70	70	70	bw	"	-	0	"
10	3	4	25.5	"	N.N.W.	3	-	-	3017	72	70	70	70	"	"	-	0	"
11	3	5	29.0	"	"	3	-	-	3018	72	70	70	69	"	"	-	0	"
Mid.	3	3	32.3	"	"	2	-	-	3019	72	68	67	70	"	"	-	0	"

4—2 b

under the command of Commander Frank Courtis , U. S. Navy,

Saturday July 15th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Heavy dew, and misty on the horizon. Light airs from W.S.W. Barometer steady. Under the following sail: topgallant sails, topsails, foresail, jib, fore topmast staysail, and main trysail. On course E.S.E. ½ E. (P.S.C.). Long swell on starboard quarter. Ship rolling and pitching slightly.

W. F. Manon
Ensign, U.S.N.

4. to 8 A.M.

Clear and fine. Light to gentle breeze from W.S.W. Barometer rising. Long swell on starboard quarter, ship riding easily. On course E.S.E. ½ E. under all plain sail except spanker. Field Day.

H. R. Baldwin Ensign, U.S.N.

8 A.M. to meridian.

Clear and pleasant. Gentle W.S.W by W to West'ly breezes. Ship steady. At 8.15 log 5-8.5 changed course to E. ½ S. (P.S.C.). At 9.30 hauled down fore topmast staysail. Aired bedding and cleaned ship. Under all plain sail to topgallant sails except mainsail and spanker, and main trysail.

Ray D. Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Clear and pleasant. Gentle to moderate breeze from West to W.S.W. All sail set save flying jib, fore & main topmast staysails, spanker and royals. At 1.00 piped down, aired bedding. A steamer bound to North'd and East'd crossed our course near end of watch. At 3.30 set fore and main topmast staysails & spanker. Max. roll 8° to port and 7° to starboard. No rolls per minute, 6.

C. W. Zoho
Lieut. U.S.N.

4. to 6. P.M.

Clear and pleasant. Moderate breeze from W.x S. & West. Barometer steady. Long swell from West. Ship rolling easily. Max. roll, 10° to port & 8° to starboard. No. rolls per minute, 7. At 5.00 lost sight of steamer on port bow. 4.45 took in fore & main topmast staysails, and at 5.15 took in spanker. At 5.16 went to fire quarters, all divisions reporting ready in 2m, 27s. Course E. ½ S. (P.S.C.). At end of watch under following sail: topsails, topgallantsails, foresail, jib and main trysail.

W. F. Manon
Ensign, U.S.N.

6. to 8. P.M.

Clear and pleasant. Gentle breeze from West, shifting to W.by N. Barometer rising slowly. On course E. ½ S. (P.S.C.) under topgallantsails, topsails, jib and foresail, main trysail having been taken in about 7.20. Ship rolling 7 times per minute. Max. rolls: 4° to port & 6° to starboard. Ship pitching at times to long swell from W. by S. Bright moonlight after sunset.

W. F. Manon
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and fine. Light to gentle breeze from W.N.W. & N.N.W. On course E. ½ S. under topsails, topgallantsails, jib and foresail. Set main trysail at 8.50 and fore & main topmast staysails at 10.00. Moon set at 10.45. At 11.00 sighted steamer light astern. Ship rolling 5° 9 times a minute, to long swell on starboard quarter. Barometer rising. Stopped distilling at 11.00, tanks being full and let fires die out.

H. R. Baldwin Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	WIND. Hsel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eastern'k.	State of the Sea.
A. M.																		
1	1	8	34.1	E ½ S.	W.N.W.	1	-		30.18	72	69	68	70	bcd.	S.	W.	1	S.
2	1	3	34.9	"	West	1	-		30.18	72	69	68	70	"	"	"	1	"
3	1	6	36.2	"	W x N.	1	-		30.19	72	69	68	71	b.	None	-	0	"
4	3	0	39.0	"	W.N.W.	3	-		30.20	73	70	68	73	bc.	cu.	N.W.	3	"
5	3	1	42.1	"	"	2	2		30.23	73	70	68	74	"	"		0	"
6	1	3	43.4	"	"	2	2		30.26	74	71	69	76	"	"		1	"
7	1	5	44.2	"	N.W. x N.	2	2		30.26	75	72	69	75	"	"		1	"
8	1	3	44.2	"	"	1	1		30.27	78	72	70	75	"	"		1	"
9	1	2	44.2	"	"	1	-		30.28	79	74	71	75	"	"		1	"
10	1	2	44.2	"	"	1	-		30.29	80	75	71	75	"	cu-s		5	"
11	1	0	44.2	"	Calm	0	-		30.30	83	80	76	73	"	"	"	8	"
Noon.	0	5	44.2	No steerage way	"	0	-		30.31	85	81	77	72	"	cu-s.	"	8	"

Position at 8 A. M. { Latitude by DR. 40° 16' 50" N. Mag. Temp.
Longitude by Obs. 64° 58' 00" W. For. Aft.

Position at noon: { Latitude by observation 40° 21' 45" N. 72-71 71-70
Longitude by observation 64° 51' 39" W.
Latitude by D. R. 40° 17' 14" N.
Longitude by D. R. 64° 56' 28" W.

Course made good since preceding noon: N. 86° E.

Distance made good since preceding noon: 79 miles.

Distance by Log since preceding noon: 74.8 miles.

Current per hour: 0.24 miles, set N. 39° E. true.

Position at 8 P. M. { Latitude by DR. 40° 22' 30" N.
Longitude by Obs. 64° 39' 27" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 45.0 gallons.

Water distilled during the preceding 24 hours, 70.0 "

Water remaining on hand fit for use at noon, 295.0 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 135 " 1275 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	WIND. Hsel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eastern'k.	State of the Sea.
P. M.																		
1				No steerage way	Calm	0			30.31	86	82	77	72	bc	N-cu		7	S
2				"	"	0			30.31	86	81	78	72	"	"		6	"
3	1	0	44.2	E ½ S.	S.S.E.	1			30.31	85	77	75	72	"	"		7	"
4	1	3	44.4	"	S. x E.	1			30.31	85	71	75	72	"	"		8	"
5	1	9	46.3	"	"	1	2	¾	30.29	79	71	72	72	"	"		8	"
6	2	7	49.0	"	S. x W.	1	2	¾	30.27	78	72	72	72	"	"		8	"
7	3	1	52.1	"	South	2	2	¾	30.26	75	72	72	72	"	"		8	"
8	3	9	56.0	"	"	3	3	½	30.27	76	74	73	75	"	"		7	"
9	4	0	60.0	"	"	3	1½	¼	30.26	77	74	73	75	"	cu-s.		9	"
10	4	5	64.5	"	"	3	2½	¼	30.25	77	74	73	75	"	"		9	"
11	6	5	71.0	"	"	4	3	¼	30.24	78	74	73	75	cu.	cu.		10	"
Mid.	3 1	0 0	75.0	E x N.	S.S.E.	4	3	¼	30.23	78	74	73	75	"	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, July 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A. M.

Fair and pleasant. Light airs and breezes from West to W.N.W. Hauled down main topmast staysail at 12.45. Max. roll of 7° starboard, and 6° port, six rolls to minute, sea astern. A steamer passed to East'd on port beam at 2.00 and one on starboard beam at 3.45. Under topgallantsails, topsails, foresail, jib, main trysail and fore topmast staysail, on course E. ½ S. (P.S.C.).

Rayd. S. Earle,
Ensign, U. S. N.

4. to 8. A. M.

Fair and pleasant. Light breezes and airs from W.N.W. & N.W. by W. All sail set save royals, mainsail and flying jib. At 7.50 took in fore and main topmast staysails and main trysail & spanker. Course E. ½ S. (P.S.C.) Max. roll 9° to starboard, and 8° to port, 7 rolls to the minute, sea astern. Got up mainsail and prepared to bend it. Lowered the smoke stack.

C. McFarland
Lieut, U. S. N.

8. A. M. to Meridian.

Cloudy and warm. Light airs from West and calms. Barometer rising. At 8 o'clock by order of the Commander P. Anderson (S.C. 4.C.) was released from confinement, his term having expired. At 9.50 mustered at quarters, after which the Commander inspected the crew and ship. Large liner passed to South'd of us, standing to East'd. Held divine service on gun deck. Bent mainsail. At 11.45 lost steerage way. Without steerage way at end of watch under following sail: topgallantsails, topsails, forecsail and jib. Ship rolling easily at times about 7 per minute. Max. roll 11° to starboard & 9° to port. Swell from West'd. Set clock ahead 10 minutes

W. J. Marion
Ensign, U. S. N.

Meridian to 4. P. M.

Clear and pleasant. Calms and light airs from S.S.E. and S. by E. Barometer steady. At 1.40 sighted the French steamer "Normandie" about W.N.W. Hoisted our colors and made our number by International Code, which she answered and dipped her colors three times, which this ship answered dip for dip. The "Normandie" passed to the Eastward several miles north of us. At 2.10 set fore and main topmast staysails. Set mainsail and spanker at 2.55, and hauled down the colors. Ship rolling 3° on each side, 8 times per minute. Sent boys of watch over cross-trees. Ship gained steerage way at 1.51 and put over patent log reading 44.2. About 2.00 sighted smoke of steamer on starboard beam, which soon disappeared. Ship on her course E. ½ S. (P.S.C.) and at end of watch under following sail: fore and main topsails, topgallantsails, topmast staysails, jib and spanker.

W. J. Marion
Ensign, U. S. N.

4. to 6. P. M.

Cloudy and pleasant. Light airs from S. by E. & S. by W. Smooth sea, ship rolling 5° port 2° starboard, 6 times a minute. On course E. ½ S. under all sail except main topsail. Lighted a sail to the Eastward from the masthead at 4.10 but lost her soon.

H. R. Baldwin Ensign, U. S. N.

6. to 8. P. M.

Cloudy. Light to gentle breezes from South. Smooth sea astern, ship rolling 6° stbd, and 2° port, 6 times per minute. On course E. ½ S. (P.S.C.) under same sail as previous watch. Steamer "Rotterdam" of Holland-American line passed close aboard at 7.00 bound to East'd. Made our number which was answered.

Rayd. S. Earle,
Ensign, U. S. N.

8. P. M. to Midnight.

Cloudy and pleasant. Gentle to moderate breeze from South to S.S.E. Course E. ½ S. (P.S.C.) all sail. Set save flying jib, royals & main trysail. At 11.25 wind headed her off to E. × N. (P.S.C.) Max. Roll 2° to stbd & 8° to port, 6 per minute. Lead on stbd beam.

Examined and found to be correct.

C. McFarland
Lieut, U. S. N.

E. F. Leppen.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, numerical.	State of the Sea.
A. M.																		
1	4	4	79.4	E x N.	S S E.	4	4	½	30 21	78	74	71	75	ocas	Cir		10	S.
2	5	1	84.5	E ½ N.	S x E.	5	7	½	30 18	78	75	73	75	"	"		10	"
3	6	2	90.7	E ¼ S.	South	5	9	½	30 16	78	75	74	75	ocas	Cir		10	M.
4	6	6	97.3	E ¼ N.	S. S. E.	5	9	½	30 15	76	75	75	74	occ	"		9	"
5	7	1	104.4	"	"	5	4	½	30 13	75	75	75	72	occ	"		9	S.
6	6	0	10.4	E. N. E. ½ E.	S. E. x S.	5	4	½	30 12	70	71	70	69	occ	cum		10	"
7	6	2	16.6	E. N. E. ½ E.	S. E.	4	4	½	30 08	69	67	67	65	occ	"		10	"
8	6	4	23.0	E ¾ N.	"	5	4	½	30 08	69	67	67	64	occ	"		10	M
9	6	0	29.0	"	S. S. E.	4	4	½	30 08	72	68	67	64	occ	"		8	"
10	6	0	35.0	"	"	4	4	½	30 06	72	68	67	64	"	"		8	L.
11	6	0	41.0	"	"	4	5	½	30 05	72	69	68	64	"	"		8	"
Noon.	5	1	46.1	E x N.	"	4	5	½	30 03	76	72	72	67	"	"		8	"

Position at 8 A. M. { Latitude by DR. — 40° 42' 24" N. Mag. Temp.
Longitude by Obs. — 63° 16' 00" W. For. Aft.

Position at noon: { Latitude by observation — 40° 58' 45" N. 71-70 70-69
Longitude by observation — 62° 46' 48" W.
Latitude by D. R. — 40° 57' 3" N.
Longitude by D. R. — 62° 40' 39" W.

Course made good since preceding noon: N. 69° E.

Distance made good since preceding noon: 101 miles.

Distance by Log since preceding noon: 104.6 miles.

Current per hour: 0.4 miles, set N. 31° W. true.

Position at 8 P. M. { Latitude by — 41° 16' 39" N.
Longitude by — 61° 57' 42" W.

Variation of compass: 17° Wly

Error of compass observed at 8.57 A. M. 7° 52' Wly

Deviation of compass on E. x N. 9° 8' Ely

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2455-0 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 136 825 "

P. M.																		
1	5	2	51.8	E. N. E. ½ E.	S. S. E.	4	5°	½	30 02	78	72	72	67	occ	cu-cu	S.	8	L.
2	5	0	56.3	E. N. E. ½ E.	S. E. x S.	4	6°	½	30 00	78	73	72	67	"	"	"	8	"
3	6	0	62.3	E. N. E. ½ E.	"	4	5°	½	29 98	74	73	72	70	occ	c-cu	"	10	S
4	6	3	67.6	E. N. E. ¼ E.	"	4	5°	½	29 97	74	73	72	68	"	"	"	10	"
5	6	0	73.6	E x N.	"	6	6°	¾	29 97	74	73	72	68	occ	N.	"	10	M
6	5	2	78.8	"	"	5	6°	¾	29 95	74	73	72	68	"	"	"	10	"
7	3	0	81.8	East	"	2	4°	3	29 95	74	73	72	68	occ	"	"	10	"
8	1	0	-	E. S. E.	S. W.	1	3°	-	29 95	74	73	72	70	"	"	"	10	"
9	1	4	81.8	"	West	1	0	-	2993	73	71	71	70	"	"	W.	10	"
10	2	3	82.8	"	"	1	0	-	2993	73	71	71	70	"	"	"	10	"
11	3	4	85.5	"	S. W.	2	0	-	2993	72	71	71	71	"	"	S. W.	10	"
Mid.	4	2	89.7	"	"	3	0	-	2992	73	71	71	71	"	"	"	10	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday July 17th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Overcast and cloudy, with occasional spits of rain last two hours. Stiff breeze from S.S.E. to South. Barometer falling. Full & by under all sail save, royals flying jib & main trysail. Pitching slightly. Slight sea from S.S.E. Steamer passed to the South'd of us bound to the East'd. No appreciable roll.

W. J. Manion
Ensign, U.S.N.

4. to 8. A.M.

Overcast and cloudy, with passing showers and drizzling rain. Stiff breezes from S.S.E, S.E. & S., and S.E. and moderate breeze from S.E. Barometer falling. Sailing full and by, with sail set same as previous watch. Slight sea from S.S.E. Ship pitching at times. Ship rolling eight times a minute, greatest rolls about 4° to port and 2° to starboard.

W. J. Manion, Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and fair. Moderate breezes from S.S.E. Close hauled on stbd tack, making good E. ¼ N. First three hours and E. by N. last hour. Under all sail to topgallantsails except main trysail. Mustered at quarters at 9.30 and exercised at divisional drills: 1st Div. pistols, 2nd Div. single sticks, 3rd Div. small arms, 4th & 5th Div. battery. Punishment awarded by the Captain, P. Anderson (S.C.4.C.) overstaying leave 4 days, 5 days solitary confinement on bread and water. By order of the Captain, P. Anderson (S.C.4.C.) was confined for 5 days on bread and water. Ship heeling 4° to port and rolling 10° to port, about six times a minute. Sea smooth with long swell on stbd. beam.

W. J. Manion
Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy to overcast. Moderate S.S.E. by E. to S. by S. by S. by breezes. Steering full and by making E. N. E. ¼ E. to E. N. E. ¾ E., under same sail as previous watch. In 3rd period watch below was instructed in knotting and splicing, the watch on deck in sails, spars, and rigging. Ship rolling to port about 9°, 5 times per minute, sea on stbd. beam, long stbd. roll.

Ralph Earle,
Ensign, U.S.N.

4. to 6. P.M.

Overcast with fine misty rain. Stiff breeze from S.E. by S. Under all sail save flying jib, royals & main trysail. Course E.S.E. ¼ E. (P.S.C.) but steering full and by on stbd tack. At 4.20 took in and furled the topgallantsails. Ship rolling about 10° to port at times, six per minute, sea on stbd beam, moderate swell.

Chas Fales
Lieut. U.S.N.

6 to 8. P.M.

Overcast and foggy. Light breezes and airs from S.E. by S. to S.S.W. Barometer steady. Foot steerage way about 7.25, regained it again at 7.45. Ship pitching easily and rolling slightly. Max. roll 5° each way, about 6 oscillations per minute. Sea from S.E. Took in main topmast staysail & spanker at 7.25, and mansail at 7.40. At end of watch on course under topgallantsails, topsails, jib, fore topmast staysail, and foresail.

W. J. Manion
Ensign, U.S.N.

8. P.M. to Midnight.

Overcast and foggy. Light airs from West increasing to light and gentle breezes from S.W. Barometer steady. Ship pitching and rolling to sea from S.E. Number of rolls per minute 8, greatest roll noted, 8° to port and 8° to stbd. Kept fog horn going. At 9.30 heard steamer fog signal on port beam which passed astern about 1 mile distant. At 9.38 put over patent log again reading 81.8. At 10.30 set mansail. On course E.S.E. (P.S.C.) under following sail: fore & main topsails, topgallantsails, foresail, mansail, jib & fore topmast staysail.

W. J. Manion, Ensign, U.S.N.

Examined and found to be correct.

F. F. Leffingwell
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Newport R. I. to Plymouth, England

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, retained.	State of the Sea.
A. M.																		
1	5	1	94.8	E. S. E.	S. W.	4	2		29.92	73	72	72	71	o-cf.	n.	S.W.	10	m.
2	5	3	100.1	"	"	4	2	-	29.90	73	72	72	71	"	"	"	10	"
3	5	1	5.2	"	"	4	2	-	29.90	74	73	72	71	"	cu.	"	10	"
4	4	8	10.0	"	"	4	2	-	29.89	75	73	72	71	"	"	"	10	"
5	4	0	14.0	"	"	3	2	1/4	29.86	75	73	72	72	cc.	a-s.	-	9	"
6	3	0	17.0	"	"	3	3	1/4	29.88	76	73	73	72	"	"	-	9	"
7	4	1	21.1	"	"	3	3	1/4	29.88	76	73	72	71	"	"	-	9	"
8	4	0	25.1	"	"	3	2	1/4	29.88	76	73	73	71	"	"	-	10	"
9	3	7	28.8	"	"	3	3	-	29.87	77	74	74	72	o-cm.	s-cu	S.W.	10	"
10	4	1	32.9	"	"	3	3	-	29.87	77	74	74	72	b-cm.	"	"	9	"
11	4	1	37.0	"	"	3	3	-	29.86	77	75	74	72	"	"	"	9	"
Noon.	4	1	41.1	"	"	3	3	-	29.86	78	75	74	72	"	"	"	9	"

Position at 8 A. M. { Latitude by DR. 41° 8' 33" N. Mag. Temp.
Longitude by Alt. 60° 59' 45" W. For. Aft.

Position at noon: { Latitude by observation 41° 12' 24" N. 72-41 71-69
Longitude by observation 60° 39' 18" W.
Latitude by D. R. 41° 5' 40" N.
Longitude by D. R. 60° 42' 48" W.

Course made good since preceding noon: N. 82° E.

Distance made good since preceding noon: 97 miles.

Distance by Log since preceding noon: 99.4 miles.

Current per hour: 0.3 miles, set N. 21° E. true.

Position at 8 P. M. { Latitude by DR. 41° 9' 39" N.
Longitude by Alt. 59° 29' 00" W.

Variation of compass: from Atlantic Pilot Chart

Error of compass observed at 6.11 P.M. 13° 25' W'ly

Deviation of compass on 6.11 P.M. 5° 25' E'ly.

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2 000 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 195 375 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, retained.	State of the Sea.
P. M.																		
1	3	5	44.6	E. S. E.	S. W.	2	2	3/4	29.80	78	75	75	72	o-cm.	a-s.	SW.	10	m.
2	2	7	47.3	"	"	2-3	3	3/4	29.79	76	75	74	72	o-cdp.	N.	"	10	"
3	5	8	53.1	"	"	4	4	3/4	29.79	77	75	74	72	"	"	"	10	"
4	5	9	59.0	"	"	4	5	3/4	29.79	77	75	74	73	b-cdp.	a-s.	"	9	"
5	6	2	65.2	"	S. W. × S.	4	4	1/4	29.79	77	74	74	71	b-cp.	cu-ct	"	8	"
6	6	0	71.2	"	S. W.	5	5	1/4	29.78	76	74	74	71	"	"	"	7	"
7	6	6	77.8	"	"	5	6	-	29.79	76	73	73	71	"	"	"	8	"
8	7	5	85.3	"	W. S. W.	5-6	5	-	29.79	76	73	73	71	b-c.	s-cu	"	9	"
9	4	0	89.3	S. E. × E. 3/4 E.	W. × S.	5	4	-	29.82	76	73	73	73	"	"	"	9	"
10	6	8	98.5	"	"	5	3	-	29.83	76	73	73	74	"	"	"	8	"
11	6	0	104.5	"	"	6	3	-	29.85	74	73	72	73	"	"	"	7	"
Mid.	4	8	109.3	"	"	5	3	-	29.85	73	72	72	73	"	"	"	8	"

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, July 18th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and foggy. Moderate breeze from S.W. Fog lifted at 3 A.M. Under courses, topsails, topgallantsails, jib and fore topmast staysail. At 3.40 set main topmast staysail and spanker. Ship rolling to a sea on stbd quarter eleven times a minute. Max rolls 15° port 12° stbd. Barometer falling.

J. F. Baldwin
Ensign, U.S.N.

4. to 8. A.M.

Overcast to cloudy weather. Gentle S.W'ly breezes. On course E.S.E. (P.S.C.) under same sail as previous watch. Ship rolling to sea on stbd beam, seven times a minute from 17° port to 13° starboard.

Ralph Earle,
Ensign, U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Gentle S.W. breeze. Course E.S.E. (P.S.C.) All sail set save flying jib, royals and main trysail. Ship rolling to sea on stbd beam seven times a minute at intervals. Max. roll 15° to port and 9° to stbd. The Coxswain gave H. La Berge (app. 3.C.) four hours extra duty for failing to relieve the wheel at the proper time.

C. M. Fahs
Lieut. U.S.N.

Meridian to 4. P.M.

Cloudy and pleasant, light passing rain showers. Light to stiff S.S.W. breeze. Barometer falling first two hours, steady last two. Ship pitching easily and rolling, max. 9° to stbd and 15° to port. Period about 7 per minute. Sea abeam and on stbd quarter. Sent boys aloft to study gear and instructed Yeoman Fleigh below in knotting & splicing.

W. Fuller
Ensign, U.S.N.

4. to 6. P.M.

Fair with light passing showers. Moderate breeze from S.W. by S. increasing to stiff breeze from S.W. Barometer falling slowly. At 5.15 exercised all hands in reefing topsails and furling and loosing sail. Took a single reef in the topsails. Ship rolling 7 times per minute, extreme roll noted 10° to stbd and 10° to port. Moderate sea from S.W. On course E.S.E. at end of watch under topsails (single reefed), topgallantsails, jib, fore & main topmast staysails, foresail, mainsail and spanker. Sent boys aloft over cross trees for exercise.

W. J. Marion,
Ensign, U.S.N.

6. to 8. P.M.

Overcast. Stiff to fresh breezes from S.W. and W.S.W. Under all sail except main trysail on course E.S.E. At 7.45 took in fore & main topmast staysails, and spanker. Ship rolling easily to a sea on stbd quarter, 7 times a minute. Max rolls 20° port, 12° stbd.

J. F. Baldwin
Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy to fair. Stiff W by S'ly breezes. Moonlight. At 8.20 log 872 changed course to S.E. by E½ E. (P.S.C.) At 8.30 hauled down jib, the roping of foot having from chafing on fore topmast stay, parted, and hoisted fore topmast staysail. Unbent jib for repairs and bent new one. Hauled up weather clew of mainsail at 8.30. Under single reefed topsails, topgallantsails, foresail, lee clew mainsail, and fore topmast staysail. Ship rolling to sea on stbd quarter, max port 28°, stbd 24° seven times per minute.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lester.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, Amount.	State of the Sea.
A. M.																		
1	6	2	16.5	S. E by S. 3/4 E.	W. N. W.	5	-	-	29.87	72	71	70	71	lc.	S-cu	W.	9	M.
2	6	2	22.7	"	"	5	-	-	29.89	72	71	70	71	"	"	"	9	"
3	5	8	28.5	"	N. W. x W.	4-5	-	-	29.91	72	71	70	71	"	"	N.W.	8	"
4	5	8	33.8	"	"	4	-	-	29.94	72	71	70	71	"	"	"	5	"
5	4	0	37.8	"	"	4	-	-	29.96	74	70	69	72	"	"	"	5	L.
6	4	2	42.0	"	N. N. W	4	-	-	29.98	74	71	70	72	"	"	"	4	"
7	3	5	45.5	"	W. x N.	4	-	-	30.00	75	74	73	71	"	Cu.	-	3	"
8	3	9	49.4	"	"	4	-	-	30.01	76	73	71	71	"	"	-	2	"
9	4	6	54.0	"	West	5	-	-	30.02	76	73	72	77	"	"	-	4	"
10	4	3	58.3	"	"	4	-	-	30.03	77	74	72	79	"	"	-	4	"
11	4	2	62.5	"	"	3	-	-	30.05	80	74	73	76	"	"	-	4	"
Noon.	3	5	66.0	"	"	3	-	-	30.06	82	76	73	77	"	Scu	-	4	"

Position at 8 A. M. { Latitude by LDR / Longitude by } 40° 55' 39" N. / 68° 2' 30" W. Mag. Temp. For. Aft. 73-71 71-69

Position at noon: { Latitude by observation / Longitude by observation } 41° 4' 11" N. / 57° 40' 48" W.

{ Latitude by D. R. / Longitude by D. R. } 40° 55' 48" N. / 57° 57' 00" W.

Course made good since preceding noon: S. 87° E.

Distance made good since preceding noon: 135 miles.

Distance by Log since preceding noon: 124 miles.

Current per hour: 0.6 miles, set N. 55° E. true.

Position at 8 P. M. { Latitude by LDR. / Longitude by Obs. } 40° 59' 11" N. / 56° 29' 40" W.

Variation of compass: from Pilot Chart 21° W'ly.

Error of compass observed at 6.13 P.M. 15° 56' W'ly.

Deviation of compass on S. E. by S. 3/4 E. 5° 4' Ely.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 45.0 lbs.

Coal remaining on hand at noon, 137 " 2165 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, Amount.	State of the Sea.
P. M.	4	0																
1	4	0	70.0	S. E by S. 3/4 E.	West.	3	-	-	30.07	83	76	73	78	lc.	S-cu	-	3	L.
2	4	5	74.5	"	"	3	-	-	30.07	84	76	73	78	"	"	-	3	"
3	4	3	78.8	"	"	3	-	-	30.09	83	76	73	76	"	"	S.W.	4	"
4	4	5	83.3	"	W. by S.	3	-	-	30.10	82	76	73	75	"	Cu.	"	7	"
5	4	3	89.6	"	"	3	-	-	30.11	81	75	72	75	"	"	"	7	"
6	3	2	90.8	"	"	3	-	-	30.11	81	74	72	78	"	"	"	7	"
7	2	7	93.5	"	"	2	-	-	30.13	79	74	73	78	"	"	"	7	M.
8	1	9	94.8	"	S. W.	1	-	-	30.14	78	74	73	78	"	"	"	7	"
9	3	0	97.8	"	S. W. by S.	2	2	-	30.16	78	74	73	78	"	"	"	7	L.
10	2	6	100.4	"	S. W.	2	3	-	30.18	78	74	73	72	"	"	"	7	"
11	3	1	3.5	"	"	2	2	-	30.19	78	73	72	70	"	"	"	5	"
Mid.	3	0	6.5	"	"	2	2	-	30.19	78	73	72	70	"	"	"	5	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, July 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Cloudy and pleasant. Stiff to moderate breezes from W. by N. to N. W. by W. Course S. E. by E. 3/4 E. (P.S.C.) Under fore topmast staysail, topgallantsails, single reefed topsails, and the courses. Ship rolling deeply at times to moderate swell on stbd quarter. Max roll 25° to port and 23° to stbd, six rolls per minute. Moon set at 1.30.

C. McCrackin
Lieut. U.S.N.

4. to 8 A.M.

Fair and pleasant. Moderate breeze from N. W. by W. to W. by N. Barometer rising. Shook reefs out of topsails at 4.20, at 6.00 took in mainsail. Course S. E. by E. 3/4 E. under topsails, topgallantsails, forcsail, and fore topmast staysail. Ship rolling deeply at times to long swell on stbd. quarter. Max roll 25° each way, 8 rolls per minute. Sighted smoke of steamer to Rendd.

Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Moderate and gentle breezes from West. Barometer rising. At 9.30 mustered at quarters after which had Company and Battalion drill. At 8.00 by order of the Condy Officer released from confinement and restored to duty, C. Doherty (F.1.c.) his term of confinement having expired. Punishment awarded by the Condy Officer: E. McLaren (Cler) for being 63 hours over leave, 4 days solitary confinement on bread and water, and E. McLaren (Cler) was accordingly placed in solitary confinement on bread and water for 4 days, by order of the Condy Officer. At 11.04 the clock was set ahead 16 minutes. At 11.20 let the lee clew of the mainsail. Long swell from West. Ship rolling 7 times per minute. Extreme roll noted: 12° to stbd, and 12° to port. Sent the boys of watch aloft to learn the running rigging, etc. Ship on course S. E. by E. 3/4 E. under following sail: fore and main topsails, topgallantsails, forcsail, fore topmast staysail, and lee clew of mainsail.

W. J. Marion.
Ensign, U.S.N.

Meridian to 4. P.M.

Clear and warm. Gentle breeze from West and W. by S. Barometer rising slowly. On course S. E. by E. 3/4 E. under fore topmast staysail, foresail, topsails, topgallantsails, and lee clew of mainsail. At 1.15 hauled down fore topmast staysail to repair it and hoisted it again at 2.00. At 3.30 set jib. Ship rolling 5½ times a minute to a swell on stbd quarter. Max rolls 14° stbd & port. Instructed all boys, watch below in knotting and splicing, watch on deck, lead of gear aloft and on deck. Overhauled all guns of main battery. Renewed both fore braces and stbd main lift.

R. Belknap
Ensign, U.S.N.

4 to 6. P.M. Fair and pleasant. Gentle W. by S. breezes. Ship rolling 8° port and 6° stbd, six times per minute, sea on stbd quarter. Exercised at sail drill from 5.00 to 5.30. On course S. E. by E. 3/4 E. under same sail as previous watch. Sighted steamer to West'd bound to N. E. at 5.30

Ralph Earle, Ensign, U.S.N.

6. to 8. P.M.

Fair and pleasant. Light breeze from W. by S. to light airs from S. W. Course S. E. by E. 3/4 E. (P.S.C.) All square sail set save royals, and fore and aft sail save flying jib, main topmast staysail, main trysail & spanker. Two long cross swells, running, one from S. E. and the other from S. W. Ship pitching moderately at times. Ships max roll 10° to port & 8° to stbd, occurring however, but rarely.

C. McCrackin
Lieut. U.S.N.

8. P.M. to Midnight. Fair and pleasant. Light breeze from S. W. by S. to S. W. Barometer rising slowly. Bright moonlight. At 9.00 set main topmast staysail & spanker. Took in main topmast staysail at 10.00 and spanker at 11.25. Ship rolling and pitching. A long cross swell from S. E. & S. W. Max roll 13° to port & 10° to stbd, 6 times per minute. Course S. E. by E. 3/4 E. under courses, topsails, topgallantsails, jib, and fore topmast staysail at end of watch.

Examined and found to be correct.

W. J. Marion
Ensign, U.S.N.

F. L. Lenpen
Asst Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, eighths.	State of the Sea.
A. M.																		
1	2	7	9.2	S. S. by E. ¾ E.	S. S. W.	1	3	-	30.19	76	72	72	71	bc	c-cu	S.W.	6	S.
2	2	8	12.0	"	"	1	3	-	30.19	75	72	72	72	bcp	n.	"	9	"
3	1	0	12.8	"	Calm.	0	2	-	30.19	75	72	72	73	o-d	"	"	9	"
4	1	0	12.8	E. by S.	S.S.W.	1	2	-	30.19	76	73	73	74	"	"	"	8	"
5	1	3	—	E. ½ N.	South	1	2	-	30.20	76	73	73	73	"	"	-	9	S.
6	1	5	14.0	S. S. E. by E. ¾ E.	S.W.	1	3	-	30.22	76	75	73	72	bc.	Cu.	S.W.	8	"
7	1	5	15.0	"	"	1	2	-	30.24	76	75	73	73	"	"	"	8	"
8	2	0	17.0	"	S.S.W.	2	3	-	30.26	77	75	74	73	"	"	"	8	"
9	4	5	21.5	"	S. x W.	3	3	½	30.26	78	75	74	73	"	"	"	6	"
10	4	1	25.6	"	"	3	3	½	3027	78	76	75	73	"	Scu	"	5	"
11	4	5	30.1	"	S. S. W.	3	3	½	3027	79	76	76	74	"	"	"	6	"
Noon.	3	3	33.4	"	"	3	3	½	3029	79	76	76	74	"	"	"	7	"

Position at 8 A. M. { Latitude by LLR. 40° 55' 00" N. Mag. Temp. For. Aft.
Longitude by Obs. 55° 26' 40" W. 72-71 72-71

Position at noon: { Latitude by observation 40° 35' 38" N.
Longitude by observation 55° 4' 18" W.
Latitude by D. R. 40° 54' 11" N.
Longitude by D. R. 56° 5' 48" W.

Course made good since preceding noon: S. 74° E.

Distance made good since preceding noon: 122 miles.

Distance by Log since preceding noon: 72.6 miles.

Current per hour: 2.0 miles, set S. 68° E. true.

Position at 8 P. M. { Latitude by LLR. 40° 35' 26" N.
Longitude by Obs. 54° 20' 33" W.

Variation of compass: from Chart 21° 30' W'ly.

Error of compass observed at 5.45 P.M. 16° 30' W'ly.

Deviation of compass on E. S. E. ¼ E. 5° 00' Ely.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 45.0 lbs.

Coal remaining on hand at noon, 134 " 1715 "

P. M.																		
1	2	8	35.2	S. S. E. ¾ E.	S. S. W.	3	3	½	30.29	78	76	76	74	bc.	c-cu	S.W.	8	S.
2	4	0	41.2	"	"	3	3	½	30.29	78	76	76	74	"	"	"	7	"
3	4	2	45.4	"	"	3	3	½	30.29	80	76	76	74	"	cu	"	5	"
4	4	5	49.9	"	"	3	3	½	30.29	79	76	76	74	"	"	"	4	"
5	4	0	53.9	"	"	3	3	¼	30.29	79	76	76	74	"	"	"	4	"
6	2	6	56.5	"	S.W.	3	2	¼	30.30	79	76	76	76	"	"	"	4	"
7	3	3	59.8	"	"	3	2	¼	30.32	76	75	75	76	"	"	"	4	"
8	3	5	63.3	"	"	3	2	¼	30.32	76	75	75	73	"	"	"	4	"
9	2	5	65.1	E. S. E. ½ E.	"	1	0	¼	30.33	75	75	75	73	"	c-cu	"	8	"
10	2	3	67.0	"	"	1	0	¼	30.34	75	75	75	73	"	"	"	7	"
11	1	9	68.5	"	West	1	0	-	30.34	75	75	75	74	"	"	W.	6	"
Mid.	1	1	69.2	"	"	1	0	-	30.34	76	75	75	74	low.	c-s.	-	3	"

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, July 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally overcast and cloudy, with passing showers and light drizzling rain. Light airs from S. S. W and calm. Barometer steady. Moon set behind high cloud bank about 12.35. Ship rolling 5 times per minute. Greatest roll noted 15° to starboard and 17° to port. Long swell from S.W. Ship on course S. E. by E. ½ E. until 3.30 after which "full and by." Under following sail; topsails, topgallantsails, courses, jib and fore topmast staysail.

W. J. Manon,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Light airs to light breeze from South, S.W and S.S.W. Under courses, topsails, topgallantsails, jib and fore topmast staysail. Ship rolling 12° each way, 8 times a minute. Patent log hauled in from 4.20 to 5.20 A.M. H. T. Baldwin
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle W by S ly to S.S.W ly breezes. Ship rolling easily to swell on stbd. quarter, six times per minute, 5° port and 2° stbd. At 9.30 mustered at quarters, followed by divisional drills as per routine. Began the monthly issue of clothing and small stores. At 8.15 set spanker and main topmast staysail. At 11.38 set clock ahead 12 minutes. On course S. E. by E. ½ E. (P.S.C.) under all sail to topgallantsails except main trysail.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle breeze from S. S. W. At 12.30 changed course from S. E. by E. ½ E. (P.S.C.) to E. S. E. ¼ E. (P.S.C.). All sail set save flying jib, royals and main trysail. Ship nearly steady. At 1.00 took in and furled mainsail. Set main trysail. Hoisted smoke-stack part way and lighted fires in boiler 2 for distilling. The Commander renewed for six months the following acting appointments: P.A. Nelson (Q.M.S.C.) from July 1st, 1899; Edward McLaren (Alloc.) from July 9, 1899; and Robert Restad (Q.M.S.C.) from July 13, 1899.

C. W. Fahs
Lieut. U.S.N.

4 to 6 P.M.

Fair and pleasant. Gentle S. S. W and S W breezes. Barometer steady. At 5.00 exercised at sail drill, reefing topsails, and taking in and furling topgallantsails. At 5.45 held prayers. Ship rolling slightly to sea on stbd quarter, max 4° to stbd and 7° port. About six double rolls per minute. At end of watch on course E. S. E. ¼ E. (P.S.C.) under all sail save mainsail royals & flying jib.

Percy Pierce
Ensign, U.S.N.

6 to 8 P.M.

Clear and pleasant. Gentle breezes from S.W. Barometer rising first hour, steady afterwards. Sent boys of watch aloft to learn gear. Bright moonlight after sunset. Ship rolling 5 times per minute, 3° to starboard and 8° to port. Ship on course E. S. E. ¼ E. (P.S.C.) during watch under all sail save mainsail, royals, and flying jib. At 8.00 changed course to E. S. E. ½ E. (P.S.C.)

W. J. Manon,
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. Bright moonlight. Light airs from S.W and West. Under all sail to topgallantsails except mainsail, on course E. S. E. ½ E. At 10.40 hauled down main topmast staysail and at 11.00 took in jib and spanker. Barometer high and steady. Ship rolling 6 times a minute, 4° each side.

H. T. Baldwin
Ensign, U.S.N.

Examined and found to be correct.

E. T. Leiper,
Lt. Navigator.

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Making passage from Newport, R.I. to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, ease=0.	State of the Sea.
A. M.																		
1		8	69.4	E.S.E. ½ E.	West.	0-1			30.34	78	74	74	74	bcw.	cu-s.		7	S.
2		6		"	"	0-1			30.34	78	74	74	74	"	"		7	"
3		6		"	"	0-1			30.34	76	74	74	74	"	"	W.	7	"
4		6		"	"	0-1			30.34	76	73	73	73	"	"	"	7	"
5		8		"	"	1			30.36	77	72	72	72	bc.	"		5	"
6		9		"	"	1			30.38	77	73	73	72	"	cu.		4	"
7	1	1		"	"	1			30.40	79	76	76	72	"	"		4	"
8		5		"	"	0-1			30.41	79	76	75	73	"	"		4	"
9		7		E. ½ S.	South	0-1			30.41	79	76	75	73	"	"		4	"
10		9		"	"	0-1			30.43	81	79	77	73	"	"		2	"
11	1	0		East	"	1			30.43	81	79	77	73	"	"		4	"
Noon.		8		"	"	1			30.43	82	81	78	74	"	"		4	"

Position at 8 A. M. { Latitude by LOR. 40° 35' 14" N. Mag. Temp.
Longitude by Obs. 54° 5' 7" W. For. Aft.
40-71 74-72.

Position at noon: { Latitude by Observation 40° 43' 12" N.
Longitude by Observation 54° 00' 31" W.
Latitude by D. R. 40° 36' 8" N.
Longitude by D. R. 54° 2' 30" W.

Course made good since preceding noon:

Distance made good since preceding noon: 49 miles.

Distance by Log since preceding noon: 47.35 miles.

Current per hour: 0.3 miles, set N. 12° E. true.

Position at 8 P. M. { Latitude by LOR 40° 43' 48" N.
Longitude by Obs. 54° 4' 45" W.

Variation of compass: from chart. 22° W'ly.

Error of compass observed at 6.10 P.M. 16° 45' W'ly.

Deviation of compass on E. S. E. ¼ E. 5° 15 Ely.

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 15000 "

Coal consumed during the preceding 24 hours, 1 tons, 386 lbs.

Coal remaining on hand at noon, 133 1890 "

P. M.																		
1	1	2		E.S.E. ½ E.	South	1			30.43	83	78	74	74	bc.	cu.		4	S.
2	1	0		"	"	1			30.43	83	78	75	74	"	"		4	"
3	1	0		"	"	1			30.43	85	78	75	75	"	"		4	"
4	1	0		"	"	1			30.44	83	77	74	74	"	"		2	"
5	1	0		"	"	1			30.44	82	79	78	74	"	"		2	"
6	1	0		"	"	1			30.44	80	78	77	74	"	"		2	"
7		8		"	"	1			30.44	80	76	75	74	"	cu-s.		8	"
8	1	0		E.N.E.	S.E. x S.	1			30.44	77	76	74	74	"	"		5	"
9	2	1	69.7	East.	South	1			30.44	79	76	73	74	"	"		6	"
10	2	6	70.0	E. by S.	S. x W.	2	1	3/4	30.44	78	76	74	74	"	"		5	"
11	3	2	72.8	"	"	2	1	3/4	30.44	76	76	74	74	bcw.	7.cu		5	"
Mid.	2	5	74.5	E.S.E. ½ E.	"	2	1	3/4	30.44	76	75	74	74	"	s-cu		9	"

4—2 8

under the command of Commander Frank Courtis, U. S. Navy,

Friday, July 21st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and pleasant. Calms and light West'ly airs. Moon set at 2.40 Ship rolling 4° each way seven times a minute to swell on stbd. quarter. Took in main topsail, at 12.15. Patent log not registering. On course E.S.E. ½ E. (P.S.C.) under topsails, topgallantsails, forecsail, and fore topmast staysail.

4. to 8. A.M.

Ralph Earle,
Ensign, U.S.N.

Fair and pleasant. Light airs from West. Course E.S.E. ½ E. (P.S.C.) under topgallantsails, topsails, forecsail and fore topmast staysail. At 5.30 a North German Lloyd steamer East-bound passed. Exchanged numbers with her, her no. Int. Code being "Q.F.W.B." Ship nearly steady.

8. A.M. to Meridian.

C. M. Fahs
Lieut. U.S.N.

Fair and pleasant. Calms and light South'ly airs. Barometer high & steady. At 9.30 went to general quarters after which mustered. At Noon set jib, main topmast staysail, main topsail & spanker. Two steamers passed us to North'd and at 11.30 sighted steamer on stbd quarter which proved to be an American Line Steamer, probably "St. Paul." Ship nearly steady, rolling about 8° stbd. & 4° to port. Slight swell from S.W. Making about 7 rolls per minute. Hauled in patent log at 8.00 reading 69.4. At general quarters all divisions reported ready. 4m. 55s. & secure in 4m. 15s. Cleaned and disinfected bilges. Course E.S.E. ½ E. full and by[illegible] all sail save mainsail, royals & flying jib at end of watch.

Noon to 4. P.M.

W. H. Allen
Ensign, U.S.N.

Clear and warm. Light airs from South. Barometer high and steady. Made our number and International B.S.M., which the "St. Paul" answered. Exercised at "abandon ship," all boats being ready in 12 minutes. Sighted smoke of steamer to Westward about 2.20, it passed to stbd about 3.30, was a German merchant steamer, probably carrying oil. She dipped her colors and was answered by this ship. Sent boys aloft to learn lead of running rigging. At 3.15 braided up spanker. Ship rolling 3½ times per minute, 5° to stbd and 7° to port. Slight swell from S.W. Ship on course E.S.E. ½ E. (P.S.C.) under all sail save mainsail, spanker, royals and flying jib. Ordnance Officer made weekly test of floods and drain cocks and found them in good condition.

4. to 8. P.M.

W. H. Allen,
Ensign, U.S.N.

Clear and fine. Light airs from South. Under all sail to topgallantsails save mainsail and spanker. At 5.30 hauled down main topmast staysail. On course E.S.E. ½ E. Ship nearly steady. Barometer very high and steady. At 5.11 sounded to five quarters. All divisions reported ready in 4m. 28s. Secured at 5.23.

6. to 8. P.M.

H. H. Baldwin Ensign, U.S.N.

Fair to pleasant. Light airs from South and S. E. by S. No appreciable roll. Set main topmast staysail and spanker at 7.15. Steering full and by making E.S.E. ½ E. 1st hour, and E. by S. 2nd hour, under all sail except mainsail.

8. P.M. to Midnight.

Ralph Earle,
Ensign, U.S.N.

Cloudy and cool. Light airs from South to light breeze from S.x W. All sail set save flying jib, royals, and mainsail. Course E. by S. ½ S. (P.S.C.) but steering full and by, but making the course last hour. Ship practically steady.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hscl.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, estimated.	State of the Sea.
A. M.							P.											
1	3	0	77.5	E.S.E. ½ E.	S. x W.	2	3°	½	30.43	76	76	75	74	be.	cu.	W. SW.	4	S.
2	2	0	79.5	"	"	2	2°	½	30.42	76	76	76	74	"	"	"	4	"
3	1	8	81.3	"	"	1	1°	½	30.42	75	75	75	74	"	cu-cu	W.	7	"
4	2	4	83.7	"	"	2	2°	½	30.42	75	75	75	73	"	"	"	7	"
5	2	8	86.1	E.S.E. ½ E.	S. x E.	1	1°	¼	30.42	75	75	76	74	"	"		6	"
6	3	0	88.9	E.S.E. ½ E.	S. ½ E.	3	2°	¼	30.42	76	75	75	74	"	"		6	"
7	3	9	92.8	"	S. x W.	3	2°	¼	30.42	76	75	75	74	"	"		5	"
8	3	4	95.2	"	"	3	2°	¼	30.42	77	77	76	74	"	"		4	"
9	3	7	98.9	"	S.S.W.	3	3°	½	30.42	77	77	76	74	ox.	S. cu		10	"
10	4	0	02.9	"	"	3	3°	½	30.43	77	77	75	73	bx.	cu.		7	"
11	3	5	6.4	"	"	3	3°	½	30.43	78	77	76	73	"	cu-cu		8	"
Noon.	3	5	9.9	"	"	3	3°	½	30.43	79	77	76	74	"	A.c.		9	"

Position at 8 A. M. { Latitude by DR. 40° 48' 8" N. Mag. Comp.
Longitude by 68° 30' 30" W. Cor. Aft.

Position at noon: { Latitude by observation 40° 56' 14" N. 73-72 74-73.
Longitude by observation 68° 11' 6" W.
Latitude by D. R. 40° 49' 31" N.
Longitude by D. R. 67° 47' 31" W.

Course made good since preceding noon: N. 70° E.

Distance made good since preceding noon: 40 miles.

Distance by Log since preceding noon: 55.4 miles.

Current per hour: .75 miles, set N 69° W. true.

Position at 8 P. M. { Latitude by 40° 57' 14" N.
Longitude by 67° 9' 9" W.

Variation of compass: from chart 21° 50' Wly.

Error of compass observed at 5.46 P.M. 17° 00' Wly.

Deviation of compass on E.S.E. ½ E. 4° 50' Ely.

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 8100 "

Coal consumed during the preceding 24 hours, 1 tons. 460 lbs.

Coal remaining on hand at noon, 132 " 870 "

P. M.							P.											
1	4	1	14.0	E.S.E. ½ E.	S.S.W.	3	3°	½	30.42	79	77	76	75	be.	A.S.		5	S.
2	5	3	19.3	"	"	4	3°	¼	30.42	79	77	76	74	"	"		5	"
3	6	3	23.6	"	"	4	3°	¼	30.40	79	77	76	74	"	"		9	"
4	6	0	0.8	"	"	4	3°	¼	30.40	78	76	76	74	"	"		9	"
5	5	9	6.7	"	S.W.	4	3°	-	30.39	78	77	77	75	"	"		8	"
6	5	8	12.5	"	"	4	3°	-	30.39	77	76	76	76	"	"		8	"
7	5	7	8.9	"	W.S.W.	4	3°	-	30.39	77	76	75	74	"	cu-cu	S.W.	7	"
8	5	1	9.0	"	S.W.	4	2°	-	30.39	77	76	76	74	"	A-S.	"	9	"
9	5	5	14.5	"	"	4	2°	-	30.39	77	75	75	74	"	"	"	9	"
10	5	2	19.7	"	"	4	2°	-	30.39	77	75	75	74	o-d.	cu-n	"	10	"
11	4	4	24.1	"	S.W. x S.	3	3°	-	30.39	78	76	75	74	"	"	"	10	"
Mid.	4	7	28.8	"	S.S.W.	6	2°	-	30.39	78	76	75	74	o-c.	"	"	10	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, July 22nd., 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to overcast. Damp. Light S. by W. breezes and airs. Barometer steady. Smooth sea and scarcely any motion to ship. At end of watch on course E.S.E. ½ E. (P.S.C.) under all sail save mainsail, royals, and flying jib.

Ensign, U.S.N.

4. to 8. A.M.

Clear and pleasant. Light airs from S. by E. and gentle breezes from S. ½ E. and S. by W. Barometer steady. At 4.35 sighted a sailing vessel, one point forward of port beam, and at 6.40 a large steamer going to the Eastward. Ship rolling 7 times per minute, 4° to starboard and 4° to port. On course E.S.E. ½ E. (P.S.C.) under all sail save mainsail, royals and flying jib.

W. J. Manion,
Ensign, U.S.N.

8. A.M. to Meridian.

Cloudy and pleasant. Gentle breeze from S.S.W. On course E.S.E. ½ E. under all sail to top gallantsails. Cleaning ship. Sent boys over masthead at 11.30. Acting appointment of H. Henderickson (Cox.) renewed for six months from July 21, 1899. By order of the Captain P. Anderson (S.C. 4.C.) was released from confinement his term having expired. The Captain awarded punishments as follows: A. J. Curran (A.S.C.) & A. Frank (A.S.C.), W. J. Haley (A.S.C.) and J. D. Pettit (A.S.C.), being below while watch was on deck, 4 hours extra duty each. W. Zackery (M.att.), disobeying orders of Wardroom Steward, reduced to 2nd Class Conduct.

Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy to fair and pleasant. Gentle to moderate S.S.W. ly breezes. Ship steady. At 1.45 bent royals, flying jib, crossed the yards and set the sails. Sailing vessel on stbd. quarter all watch bound to East'd, also at 2.30 sighted steamer bound to East'd, on port quarter. On course E.S.E. ½ E. (P.S.C.) under all sail except mainsail.

Ensign, U.S.N.

4 to 6. P.M.

Cloudy and pleasant. Gentle S.W. breeze. Ship steady. Course E.S.E. ½ E. (P.S.C.). All sail set save mainsail. Sailing vessel on stbd. quarter overhauling us slowly. Exchanged colors with steamer (German) noted in preceding watch. Sighted another steamer bound East and out stbd. quarter.

Lieut., U.S.N.

6. to 8. P.M.

Fair and pleasant. Moderate breeze from W.S.W. and S.W. Barometer steady. At 7.45 took in royals and flying jib. Scarcely any motion on ship. Smooth sea. Full rigged ship standing to East'd at end of watch. At end of watch on course E.S.E. ½ E. (P.S.C.) under all sail save mainsail, royals and flying jib.

Ensign, U.S.N.

8. P.M. to Midnight.

Generally overcast, with light drizzling rain. Moderate breezes from S.W. to gentle breezes from S.W. by S. and S.S.W. Barometer steady. Moon visible during third hour. Full rigged Ship referred to in last watch passed to Eastward. Ship rolling 10 times per minute, 3° each side. On course E.S.E. ½ E. (P.S.C.) under all sail save mainsail, royals, and flying jib.

W. J. Manion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving. form.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	4	2	33.0	E.S.E. ½ E.	S.W.	3	3°		30.37	77	76	74	74	ocp.	cu-n.	S.W.	10	S.
2	3	4	36.4	"	S.S.W.	3	3°		30.36	77	76	74	74	ocw.	"	"	10	"
3	4	7	41.1	"	"	3	3°		30.34	77	75	74	73	bcw.	S.cu.	"	8	"
4	5	7	46.8	"	"	3	3°		30.34	77	76	75	73	"	"	"	6	"
5	6	2	53.0	"	S.W.	4	2°		30.34	77	75	75	70	bc.	cu.	"	6	"
6	5	4	58.4	"	"	4	2°		30.34	76	75	74	70	"	"	"	5	"
7	5	2	63.6	"	"	4	2°		30.34	76	74	74	70	c.gw.	n.	"	10	"
8	6	4	70.0	"	W.S.W.	4	3°		30.36	77	73	72	69	"	"	"	10	"
9	4	4	74.4	"	"	3	2°		30.33	77	72	73	69	bcp.	"	"	8	"
10	6	0	80.4	"	"	4	5°		30.33	77	75	73	70	bc.	"	"	8	"
11	7	1	87.5	"	S.S.W.	4	7°		30.33	77	75	73	70	"	"	"	8	"
Noon.	5	6	93.1	"	"	5	7°		30.33	76	74	74	72	"	"	"	8	"

Position at 8 A. M. { Latitude by LLR. 40° 53′ 14″ N. Mag. Comp.
Longitude by Obs. 50° 55′ 00″ W. For. Aft.
41° 4′ 23″ N. 73-72 74-73

Position at noon: { Latitude by observation 40° 28′ 00″ W.
Longitude by observation
Latitude by D. R. 40° 57′ 14″ N.
Longitude by D. R. 50° 19′ 42″ W.

Course made good since preceding noon: N. 86° E.

Distance made good since preceding noon: 122 miles.

Distance by Log since preceding noon: 129.1 miles.

Current per hour: 0.4 miles, set N. 41° W. true.

Position at 8 P. M. { Latitude by LLR. 41° 8′ 35″ N.
Longitude by Obs. 48° 55′ 00″ W.

Variation of compass: from Chart 14° W'ly

Error of compass observed at 6.15 17° 21′ W'ly

Deviation of compass on E. S. E. ½ E. 6° 39′ E'ly.

Water expended during the preceding 24 hours, 45-0 gallons.

Water Distilled during the preceding 24 hours, 1150 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, tons, 1650 lbs.

Coal remaining on hand at noon, 131 " 1460 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving. form.	Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	6	9	100.0	E.S.E. ½ E.	S.S.W.	5	6°	¼	30.32	77	74	74	74	ocp.	n.		9	S.
2	7	5	7.5	"	"	6	5°	¼	30.31	78	75	75	76	"	"		10	"
3	7	6	15.1	"	S.W.	6	7°	¼	30.30	79	77	76	76	bcp.	cu-n.	S.W.	8	n.
4	7	4	22.5	"	"	6	7°	¼	30.30	79	76	76	77	"	"	"	9	"
5	7	5	30.0	"	"	6	7°	¼	30.30	79	77	77	76	bc	"	"	9	"
6	8	1	38.0	"	"	6	7°	¼	30.30	79	77	77	76	"	"	"	8	L.
7	8	0	46.0	"	"	6	7°	¼	30.30	77	76	76	74	"	"	"	8	"
8	6	7	52.7	"	"	6	8°	¼	30.30	77	75	74	74	"	cu-s.	"	4	"
9	6	7	59.4	"	"	5	6°	¼	30.31	76	75	75	74	"	cu	"	3	"
10	6	7	66.1	"	"	5	6°	¼	30.31	75	74	74	74	bcgr.	cu-s.	"	7	"
11	6	3	72.4	"	"	5	5°	¼	30.30	74	73	73	74	bcp.	"	"	9	"
Mid.	6	9	79.3	"	"	5	5°	¼	30.30	74	73	73	75	"	"	"	8	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday July 23rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A M.

Cloudy and pleasant. Moon broke through clouds at 2.30. Gentle breeze from S.W. and S.S.W. On course E.S.E. ½ E. under all sail to topgallantsails, except mainsail. Ship steady with 3° heel to port.

4 to 8. A M. J. C. Baldwin Ensign, U.S.N.

Cloudy to fair first part, overcast with passing rain squall last half. Moderate S.W.ly breezes shifting to West last hour. On course E.S.E. ½ E. (P.S.C.) Ship steady with heel of 2° to 4° port. Set royals and flying jib at 5.55. Took in and furled royals and flying jib at 6.45, clewed up topgallantsails & spanker, and hauled down main topmast staysail to a squall, setting topgallantsails, spanker, and main topmast staysail at 7.30 after squall passed. Took in main bigsail and set lee clew of mainsail at 7.45. Stopped distilling at 5.00, ships tanks being full, allowed fires to die out under boiler #2, and lowered smoke stack. At 5.45 made number and B.Q.D. to a West bound Spanish steamer "El Sallo". At end of watch under jib, fore & main topmast staysails, topgallantsails, topsails, forecast, lee clew of mainsail & spanker.

8. A. M. to Meridian. Roger Earle, Ensign, U.S.N.

Cloudy and pleasant. Slight sprittings of rain first hour. Moderate to stiff breeze from West to S.S.W. Course E.S.E. ½ E. (P.S.C.). Ship nearly steady, heeled 7° to port. At 8.10 set royals and at 9.30 set flying jib. At 11.10 took in and furled royals and flying jib. At 9.30 inspected at quarters. Held divine service at 10.00.

Meridian to 4 P.M. C. McFahs Lieut, U.S.N.

Overcast and Cloudy, with frequent light rain squalls. Stiff to fresh breeze from S.S.W and S.W. Barometer falling slightly. At 2.30 took in topgallantsails & spanker. Took in main topmast staysail to a squall the same time and set it again at 2.45. Rolling and pitching somewhat towards end of watch to moderate sea on starboard quarter. Max roll 15° to port & 5° to stbd. about 7 rolls per minute. On course at end of watch under topsails, courses, fore and main topmast staysails, and jib. Sighted sail on starboard bow, but could not make out how she was standing.

4. to 6. P.M. Ensign, U.S.N.

Clear and pleasant. Fresh breezes from S.W. Barometer steady. Ship rolling 8 times per minute, greatest rolls noted 8° to port and 7° to stbd. Moderate sea, increasing to long swell from S.W. by S. On course E.S.E. ½ E. (P.S.C.) under topsails, courses, fore and main topmast staysails and jib.

6 to 8. P.M. W. J. Mannon, Ensign, U.S.N.

Clear and pleasant. Fresh breeze from S.W. On course E.S.E. ½ E. under jib, fore topmast staysail, courses, topsails, and main topmast staysail. Ship rolling and pitching easily to a sea on stbd quarter. Heel 7° to port. Max rolls 4 per minute, 15° to port, 4° starboard. J. C. Baldwin Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy with heavy rain and passing showers last three hours. Stiff S.W.ly breezes. Ship pitching and rolling at intervals, 14° port and 8° stbd, 7 times per minute, sea on stbd quarter. On course E.S.E. ½ E. (P.S.C.) under topsails, courses, jib, and fore and main topmast staysails.

Roger Earle, Ensign, U.S.N.

Examined and found to be correct.

P. F. Harper, Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10 to 10	State of the Sea.
A. M.																		
1	7	0	66.3	E.S.E. ½ E.	S.W.	5	5°		30.30	74	73	73	75	bc.	cu-n	S.W.	8	L.
2	7	9	74.2	"	"	6	5°		30.30	74	73	73	74	"	"	"	8	"
3	8	2	82.4	"	"	6	6°		30.29	75	73	73	74	bcl.	"	"	8	"
4	8	0	90.4	"	"	6	6°		30.29	75	75	75	73	bc.	"	"	7	"
5	7	3	97.7	"	"	6	6°		30.27	76	76	76	74	"	"	"	7	M.
6	7	8	5.5	"	"	6	5°	¼	30.28	77	75	76	73	"	"	"	7	"
7	7	6	13.1	"	"	6	5°	¼	30.29	77	75	75	73	"	a-cu	"	7	"
8	8	0	21.1	"	"	6	7°	¼	30.29	78	75	75	74	"	cu-n.	"	5	"
9	5 4	7 3	26.9 31.1	E. x S.	"	6	7°	¼	30.29	79	77	76	74	"	"	"	7	"
10	7	9	37.0	"	"	6	5°		30.29	79	75	75	74	bcp.	cu-n	"	8	"
11	7	2	44.2	"	"	6	5°		30.29	79	75	75	73	"	"	"	9	"
Noon.	4	0	48.2	"	"	6	4°		30.30	81	76	76	72	bc.	"	"	7	"

Position at 8 A. M. { Latitude by D.R. 41° 16' 17" N. Mag. Comp.
Longitude by Alt. 46° 51' 30" W. For. Aft.

Position at noon: { Latitude by observation 41° 20' 00" N. 73-72 75-74
Longitude by observation 46° 13' 00" W.
Latitude by D. R. 41° 21' 35" N.
Longitude by D. R. 46° 36' 00" W.

Course made good since preceding noon: N. 85° E.

Distance made good since preceding noon: 193 miles.

Distance by Log since preceding noon: miles.

Current per hour: 0.75 miles, set S. 85° E. true.

Position at 8 P. M. { Latitude by D.R. 41° 31' 24" N.
Longitude by D.R. 45° 23' 54" W.

Variation of compass: no observations

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 181" 1010 "

P. M.							Heel.	Leeway.										
	2	3	50.6				R-S.											
1	2	4	52.9	E. by S.	S.W.	3	2°-0		30.31	82	76	76	73	o-cu.	cu-n.		9	M.
2	4	7	57.3	E. ½ N.	W.N.W.	3	0-2°		30.31	80	76	76	73	o-sfd.	"		10	L.
3	5	2	62.5	"	N.W. x N.	3	0-3°		30.30	78	74	74	73	"	"		10	"
4	4	9	67.4	"	N.N.W.	3	0-3°	¼	30.29	77	72	72	75	"	"		10	"
5	3	6	71.0	"	"	3	0-2°	¼	30.28	77	72	72	75	"	"		10	"
6	3	5	74.5	"	"	3	0-1°	¼	30.28	74	72	72	73	"	"		10	"
7	5	5	80.0	"	"	3	0-1	¼	30.28	73	72	72	73	"	cu.		10	M.
8	6	2	83.3 86.2	E. ½ S.	N. x W.	8		½	30.26	74	67	67	72	o-cu.	"		10	"
9	4	6	90.8	E. ½ S.	N.N.E.	8	0-7°	1	30.26	68	65	66	72	"	"		10	"
10	4	5	95.3	E.S.E. ½ E.	N.E. x W.	7	0-7°	1	30.24	67	64	65	72	"	"		10	"
11	3	8	99.1	S.E. x E. ½ E.	N.E.	6	0-7°	1	30.23	66	63	67	72	"	"		10	"
Mid.	4	4	3.5	S.E. x E.	"	7	0-7°	1	30.23	66	64	65	76	"	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday July 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and pleasant. Fresh topgallant breeze from S.W. Lightning at times in Northwest. Bright moonlight. Course E. S. E ½ E. (P.S.C.) under topsails, courses, jib, and fore and main topmast staysails. Ship making an occasional roll to leeward of about 12°.

C. W. Fahs
Lieut. U.S.N.

4 to 8 A.M. Fair and pleasant. Fresh S.W. breeze. Barometer steady. Rolling about 15° to leeward, occasionally. Moderate sea from S.W. At 7.15 set topgallant-sails. At end of watch on course E. S. E. ½ E. under courses, topsails, topgallantsails, fore & main topmast staysails and jib.

Allen Lee
Ensign, U.S.N.

8. A. M. to Meridian. Generally fair and pleasant, with passing showers. Fresh falling to light breezes from S.W. Barometer steady. At 9.30 mustered at quarters after which the divisions were given oral instructions. At 8.30 changed course to E by S. By order of the Comdg Officer, the acting appointment of R. Raahange (B.M.2.C) was renewed for six months from July 23, 1899. J. Olsen (B.M.2.C) reported the expiration today of his term of enlistment. At 11.43 clock was set ahead 15 minutes. At 9.30 took in topgallantsails and main topmast staysail, and at 10.00 the fore topmast staysail, at 10.28 set topgallantsails again and at 12.00 the royals. Ship rolling 8 times per minute, greatest roll 15° to port. At end of watch on course E. by S. under topsails, topgallantsails, royals, courses & jib.

W. H. Mamon,
Ensign, U.S.N.

Meridian to 4. P.M. Overcast and squally. Gentle breeze from S.W. shifting through W.N.W to N.N.W. Raining at 1.30 and continued through watch. On course E by S. under jib, courses, topsails, topgallantsails, and royals. At 12.30 changed course to E. ½ N, pat. log reading 50.5. At 1.15 took in royals for exercise and set them again at 2.00. At 3.00 set fore topmast staysail, and at 3.50 set main topmast staysail. Ship pitching easily to a following sea and making occasional rolls of 10° each side. J. Olsen (B.M.2.C) was this day discharged from the Naval Service, his enlistment having expired. Overhauled wheel ropes and found them in good condition.

F. P. Baldwin Ensign, U.S.N.

4. to 6. P.M. Overcast, cloudy, and rainy. Gentle N.N.W by breeze. Sea astern, ship rolling occasional rolls of 8° to stbd, and 3° port. At 5.00 furled royals. At 5.55 took a single reef in topsails. On course E. ½ N. (P.S.C) under topgallantsails, single reefed topsails, courses, jib, fore & main topmast staysails.

Ralph Earle,
Ensign, U.S.N.

6 to 8. P.M. Overcast and rainy. Gentle breeze from N.N.W first hour, increasing to moderate gale from N by E. last hour. Barometer fell slightly. Course E ½ N. (P.S.C.) At 7.15 took in and furled topgallantsails, then took in jib and main topmast staysail and stowed them. Next took in the mainsail and set the foot of the main trysail. Ship rolling 15° to stbd. making 6 rolls per minute. Sea on port beam. Standing full and by last hour. Under single reefed topsails, forcsail, fore topmast staysail, and foot of main trysail at end of watch.

C. W. Fahs
Lieut. U.S.N.

8. P.M. to Midnight. Overcast, rainy. Stiff to fresh breeze from N. by E. to N.E. Barometer falling slowly. Under single reef topsails, forcsail, fore topmast staysail, and foot of mainsail. Moderate sea on port bow. Ship pitching easily and occasional rolling about 16° to leeward. Full and by at end of watch.

Examined and found to be correct.

Allen Lee.
Ensign, U.S.N.

E. F. Leiper Asst. Navigator.

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.							S.											
1	4	2	7.7	S.S.E.	N.E. x N.	5	7°	3/4	30.21	66	64	65	76	o.cr.	N.	N.E.	10	M.
2	3	7	11.4	S.E. x E. 1/2 E.	N.E.	5-6	6°	3/4	30.19	66	64	64	76	"	"	"	10	"
3	3	8	15.2	S.E. x E.	N.E. x E.	6	7°	3/4	30.18	67	65	65	76	"	"	"	10	"
4	5	2	20.4	S.S.E.	E. x N.	6-7	8°	3/4	30.15	67	66	66	76	"	"	"	10	"
5	5	0	25.4	"	E.N.E.	6	7°	2	3016	67	66	66	75	"	"	"	10	"
6	4	4	29.8	S.E.	"	6	7°	1 1/2	30.19	68	66	66	75	"	"	"	10	"
7	5	4	35.2	S.E. 1/2 E.	N.E.	6	7°	1 1/2	3020	68	66	66	76	"	"	"	10	"
8	5	8	41.0	"	"	6	7°	1 1/2	3019	70	66	66	75	o.c.	"	"	10	"
9	5	2	46.2	"	N.E. x N.	6	7°	1	30.19	70	66	66	75	o.c.d.c	"	—	10	"
10	5	6	51.8	S.E. x E. 1/2 E.	"	6	7°	1	3019	70	66	67	75	"	"	—	10	"
11	5	0	57.8	"	"	6	7°	1	3021	71	69	68	75	b.c.p.	a.c.d.	—	9	R.
Noon.	4	2	61.0	E.S.E.	"	6	8°	1	3021	72	70	68	75	"	"	—	9	"

Position at 8 A. M. { Latitude by D.R. 41° 8' 6" N. Mag. Temp.
Longitude by Alt. 45° 6' 30" W. Sea Aft

Position at noon: { Latitude by observation 41° 31' 45" N. 73-72 74-73
Longitude by observation 45° 41' 00" W.
Latitude by D. R. 41° 1' 5" N.
Longitude by D. R. 43° 57' 42"

Course made good since preceding noon: N. 64° E.

Distance made good since preceding noon: 27 miles.

Distance by Log since preceding noon: 113.7 miles.

Current per hour: 3 1/2 miles, set N. 69° W true.

Position at 8 P. M. { Latitude by D.R. 41° 30' 00" N.
Longitude by Alt. 45° 13' 42" W.

Variation of compass: no observations.

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5 00 gallons.

Water , during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 45 00 lbs.

Coal remaining on hand at noon, 131 " 560 "

P. M.							S.											
1	4	7	65.7	S.S.E. 1/2 E.	N.N.E.	6-7	8°	H	3022	73	71	69	74	b.c.p.	a.c.m.	—	9	R.
2	4	3	70.0	"	"	6-7	8°	1	3022	73	69	68	74	o.c.p.	"	—	10	"
3	4	4	74.4	E. 1/2 S.	N. x E.	6-7	8°	1	3022	73	79	68	74	"	"	—	10	"
4	4	2	79.6	"	"	6-7	8°	1	3022	72	77	76	74	"	"	—	10	"
5	4	3	82.9	E.S.E. 1/2 E.	"	6-7	8°	1	3022	72	77	76	74	b.c.p.	"	—	9	"
6	4	9	87.8	E. 1/2 S.	N.E. x N.	6-7	8°	1	3021	71	70	69	75	"	"	—	9	"
7	3	7	91.5	E.S.E. 1/2 E.	"	5	7°	1	3020	70	68	68	75	"	"	n.c.	9	"
8	3	9	95.4	"	"	5-6	7°	1	3020	70	69	68	73	"	"	"	9	M.
9	5	0	101.4	E.E. 1/2 E.	N.E. x E.	6-7	7°	1	3020	70	69	68	73	b.c.	"	"	9	"
10	5	7	7.1	S.E. x E. 1/2 E.	N.E.	6	7°	1	3020	70	69	68	73	"	"	"	8	"
11	4	8	11.4	E. 1/2 N.	N.N.E.	5	7°	1	3020	69	68	67	72	"	"	"	7	"
Mid.	4	3	15.7	"	N. x E.	5	7°	1	3020	68	67	66	72	"	"	"	7	"

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, July 25th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy and rainy. Stiff breezes from N.E. by N. increasing to fresh breezes in squalls from N.E., N.E. by E., and E. by N. Barometer falling. Ship rolling 8 times per minute, about 10° to leeward at times. Full and by under single reefed topsails, forcsail, fore topmast staysail, and foot of main trysail.

4. to 8. A.M. W. J. Marion Ensign, U.S.N.

Overcast and squally. Fresh breezes blowing in squalls from E by N gradually hauling to N.E. Under fore topmast staysail, fore course, single reefed topsails and clew of main trysail. Full and by making good S.S.E. first hour, S.E. next and S.E. ½ E. last half of watch. Sent down royal yards at 4.30. At 5.00 set mainsail and clewed up main trysail. Ship riding easily. 7° heel to stbd. and making occasional roll of 15° to leeward.

8. A.M. to Meridian. F. R. Baldwin Ensign, U.S.N.

Overcast and rainy first half with clearing weather last half. Fresh N.E. by N by N breezes. At 8.30 took in mainsail and set foot of main trysail. At 11.30 furled mainsail and hauled out head of main trysail. Rough sea off port beam, ship rolling occasionally 20° to leward with heel of 7°-8°. Steering full & by from S.S.E. ½ E. to E.S.E. under single reefed topsails, forcsail, main trysail and fore topmast staysail. Enlisted John Olsen as B.M. 2.C. for a period of 4 years from this date. The Comdg Officer renewed the acting appointments for 6 months from this date of C. L. Johnson, Coy, and F. J. Rogers as Water Tender.

Ralph Earle, Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy, with frequent passing rain squalls. Blowing very fresh breezes from N.N.E. to N by E. Course E. ½ N (T & C) but steering full and by. Under single reefed topsails, forcsail, fore topmast staysail, main trysail, and foot of spanker. Ship rolling deeply to stbd to rough sea on port beam. Max roll 20°. No of rolls 6 per minute.

Emil Fahs Lieut. U.S.N.

4. to 6. P.M.

Overcast and cloudy with occasional light rain spits. Fresh breeze with heavy puffs from N by E. to N.E. by N. Barometer steady. Course E. ½ N but steering full and by under single reefed topsails, courses, fore topmast staysail and foot of spanker. At 4.10 set mainsail & took it in again at 6.00. At 6.00 set main trysail. Rough sea on port beam. Max roll about 20° to stbd, no rolls per minute 6. By wind 1st part of watch. Under same sail as in preceding watch.

Ensign, U.S.N.

6. to 8. P.M.

Generally fair, with light passing showers. Stiff breezes increasing in squalls last hour to fresh breeze from N.E. by N. Barometer Steady. Ship rolling to stbd 6 times per minute, greatest roll 20°. Full and by under single reefed topsails, forcsail, fore topmast staysail, main trysail and foot of spanker.

W. J. Marion, Ensign, U.S.N.

8. P.M. to Midnight.

Overcast and squally. Clearing last half. Strong breeze from N.E. by E. hauling to stiff breeze from N by E. Close hauled on port tack under fore topmast staysail, forcsail, single reefed topsails, main trysail and goose winged spanker. Making good S.E. ½ E., S.E. by E. ½ E., and E. ½ N. last two hours. Ship heeled 7° to stbd & rolling 15° to stbd. 8 times a minute.

F. R. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. J. Leiper, Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, tenths.	State of the Sea.
A. M.																		
1	5	1	20.8	E. ½ N.	North.	6	8°	1°	30 18	69	67	67	72	bcpg.	cu-n.	n.	8	m.
2	3	8	24.6	"	"	5	6°	1	30 17	69	67	67	72	"	"	"	8	"
3	3	6	28.2	"	"	5	5°	1	30 17	69	68	67	72	ocr.	"	"	10	"
4	3	3	31.5	"	N. x E.	5	5°	1	30 17	69	68	67	72	bcp.	"	"	8	"
5	4	5	36.0	E. ½ S.	"	6	5°	1	30 17	70	69	67	73	"	"	—	8	R.
6	4	4	40.4	E. ½ N.	North	4	5°	1	30 18	71	69	67	73	"	"	—	8	"
7	6	1	46.5	E. ½ N.	"	4	5°	1	3019	70	69	68	72	"	"	—	9	"
8	6	2	52.7	"	"	6	5°	1	3020	70	68	68	72	"	"	—	9	"
9	6	7	56.1 58.4	"	"	6	5°	3/4	3020	70	68	68	72	"	"	"	8	"
10	7	4	67.1	East	"	6	6°	3/4	3020	72	68	67	73	"	"	"	8	"
11	7	2	74.3	E. ½ S.	N. x E.	5	7°	1/2	3022	72	70	67	73	"	"	"	9	"
Noon.	5	9	80.2	E. ½ N.	North	5	7°	1/2	3021	73	70	68	74	ocr	s-cu	"	7	"

Position at 8 A.M.: Latitude by DR. 41°35'18" N. Mag. Temp.
Longitude by Obs. 44°16'12" W. For. 72-71 Aft. 73-72

Position at noon: Latitude by observation 41°44'13" N.
Longitude by observation 43°46'36" W.
Latitude by D. R. 41°39'45" N.
Longitude by D. R. 43°8'00" W.

Course made good since preceding noon: N. 82° E.

Distance made good since preceding noon: 88.6 miles.

Distance by Log since preceding noon: 118 miles.

Current per hour: 1.1 miles, set N. 80° W. true.

Position at 8 P. M.: Latitude by DR. 41°5.2'11" N.
Longitude by Obs. 43°18'3" W.

Variation of compass: from chart 26° Wly.

Error of compass observed at 6.15. P.M. 18° Wly.

Deviation of compass on E. ½ N. 8° Ely.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 137 " 110 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, tenths.	State of the Sea.
P. M.																		
1	6	2	86.4	E. ½ N.	N. by E.	5	6°-0	1/2	3021	75°	70	69	74	bc.	cu.	N.	6	R.
2	4	9	91.3	"	"	3	3°-0	1/2	3023	74	70	69	74	"	"	"	6	"
3	3	1	3.1	E. ½ N.	North	3	3°-0	1/2	3023	76	71	69	74	"	"	"	6	2.
4	3	3	5.7	"	"	2	2°-2°	1/2	3023	75°	71	69	75°	"	"	"	5°	"
5	3	0	7.3	"	"	2	0-2°	1/2	3023	75°	70	69	75°	"	"	"	5°	"
6	3	4	9.0	"	"	1	0-2°	1/2	3024	77	70	69	74	"	"	"	5°	"
7	2	0	10.8	"	"	2	0-2°	1/2	3025	75°	70	69	74	"	"	"	5°	"
8	2	0	11.8 12.8	"	"	2	0-2°	1/2	3026	74	69	68	74	"	s-cu	—	7	"
9	3	1	13.7	"	"	2	0-2°	1/2	3025	72	69	68	72	bcl.	cu.	N.W.	5°	"
10	2	3	16.0	"	"	2	0-2°	1/2	3025	72	69	68	72	"	"	"	5°	"
11	2	7	18.6	"	"	2	0-2°	1/2	3025	71	69	68	74	"	s-cu	S.W.	9	"
Mid.	3	2	21.7	"	"	2	0-3°	1/2	3024	71	69	68	74	ocl.	n.	"	10	"

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday July 26th , , , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy to overcast with heavy squalls third hour. Fresh to stiff breezes from North to N. by E, blowing in squalls. Ship pitching and rolling 15° to stbd to 2° port, 6 times per minute, to sea on port beam. On course E. ½ N. (P.S.C.) under single reefed topsails, foresail, fore topmast staysail, main trysail, and foot of spanker.

Roger Welles,
Ensign, U.S.N.

4. to 8. A.M. Cloudy with light passing rain squalls. Fresh breeze from N. by E to North. Course E ½ N. (P.S.C.) Steering full and by first 2 hours and on our course last 2 hours. Under single reefed topsails, foresail, fore topmast staysail, foot of trysail, and foot of spanker. At 5.30 took in trysail and set mainsail. Then set main topmast staysail and jib. Ship pitching deeply and rolling at times 22° to stbd, making 6 rolls per minute to rough sea on port beam.

Chas Parks
Lieut. U.S.N.

8 A.M. to Meridian. Fair and pleasant with passing rain showers first two hours. Fresh to stiff breeze from North and N. by E. Barometer ~~rising~~ slowly. At 9.00 set topgallantsails. And at 11.00 inbent fore topmast staysail and bent new one which was hoisted about 11.45. At 9.30 mustered at quarters and gave watch below general instructions. Ship pitching deeply and occasionally rolling 23° to leeward, rough sea on port bow and beam. Making 6 rolls per minute. Broke out hammock nettings on quarter deck. Course E ½ N. Set on the wind part of watch. At end of watch under topgallantsails, single reefed topsails, courses, fore & main topmast staysails, jib and foot of spanker.

Frederick
Ensign, U.S.N.

Meridian to 4. P.M. Clear and pleasant. Stiff breeze, ~~from N by E~~ falling to light and gentle breezes from N. by E. to North. Barometer rising second hour, then steady. Rough sea on port bow falling to long rolling swell. Ship rolling 7 times per minute, greatest roll noted 14° to starboard, at times rolled 8° to port. At 12.30 shook out reef in topsails and hauled out head of spanker. At 1.15 drilled watch below (starboard) in knotting and splicing, and watch on deck in lead of running gear, etc, for ¾ hour. Full and by, port tack, first half of watch, after that on course E. ½ N. under topsails, courses, topgallantsails, fore topmast staysail, jib and spanker.

W. J. Mahon
Ensign, U.S.N.

4. to 6. P.M. Clear and pleasant. Light airs to light breeze from North. On course E. ½ N. under all sail to topgallantsails except main trysail. At 5.00 sent up royal yards and at 5.45 set royals and flying jib. Ship rolling to a swell on stbd bow, 9° to stbd 4° port, 8 times a minute.

H. E. Colwell
Ensign, U.S.N.

6. to 8. P.M. Cloudy to fair. Light Northerly breezes. Ship rolling to heavy swell on port beam, 7 times per minute, 10° stbd and 4° port. Took in mainsail at 6.10, furled royals and stowed flying jib at 7.45. On course E. ½ N. (P.S.C.) under topgallantsails, topsails, foresail, fore & main topmast staysails, jib and spanker.

Roger Welles,
Ensign, U.S.N.

8. P.M. to Midnight. Cloudy and pleasant. Light breeze from North. Lightning in S.W. horizon. Course E. ½ N. (P.S.C.). Under jib, fore and main topmast staysails, spanker, and square sails save royals. Ship rolling and pitching slightly to occasional old swell from N.N.E.

W. M. Bates
Lieut, U.S.N.

Examined and found to be correct.

C. F. Lester, Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I. to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, and what.	State of the Sea.
A. M.																		
1	3	3	25.0	E. ½ N.	N. by E.	2			30.24	71	69	68	73	ofbl.	cu-n		10	M.
2		5	26.4	"	"	1			30.24	71	69	68	73	"	n.		10	"
3	1	5	26.0	E. by S.	N.E. by E.	4		½	30.22	70	67	68	73	oc.	"		10	"
4	5	4	31.4	S. E.	"	4		½	30.21	70	68	67	73	lc.	F-cu.	SSE.	8	"
5	4	1	35.5	"	"	3		½	30.22	69	68	67	74	"	"	"	8	"
6	4	0	39.5	S. by E.	East	3		½	30.24	71	68	67	74	"	a-cu	"	7	"
7	1	1	40.0	S. ½ E.	E. by N.	1			30.26	75	69	68	74	"	"		5	S.
8	1	3	L	N.E. by N.	E. S. E.	1			30.27	76	73	71	73	"	"		5	"
9	1	2	40.0	E.N.E. ½ E.	South	1			30.29	76	75	72	74	"	cu	S.	4	L
10		5	40.0	E. ½ N.	S.S.W.	0-1			30.31	78	75	72	74	"	"	"	4	"
11		5		E. by N.	"	0-1			30.31	80	75	73	74	"	"	"	4	"
Noon.		5		"	"	0-1			30.31	80	76	73	74	"	"	"	6	"

Position at 8 A. M. { Latitude by D.R. 41° 57' 00" N. Mag. Temp.
Longitude by Obs. 42° 49' 00" W. For Aft.
41° 46' 51" N. 74-72 73-72

Position at noon: { Latitude by observation
Longitude by observation 42° 45' 30" W.
Latitude by D. R. 41° 52' 10" N.
Longitude by D. R. 42° 32' 36" W.

Course made good since preceding noon: N 87° E.

Distance made good since preceding noon: 45.2 miles.

Distance by Log since preceding noon: 61.8 miles.

Current per hour: 0.45 miles, set S. 62° W true.

Position at 8 P. M. { Latitude by D.R. 41° 46' 51" N.
Longitude by Obs. 42° 36' 18" W.

Variation of compass: from Chart 26° 20' Wly

Error of compass observed at 6.03 P.M. 1° Wly.

Deviation of compass on E. N. E. ½ E. 8° 20' Ely.

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 1650 lbs.

Coal remaining on hand at noon, 130 " 700 "

P. M.																		
1	1	0		E. by N.	S.S.W.	0-1			30.30	78	79	72	75	lc.	cu.		4	L.
2	1	7	41.7	E.N.E. ½ E.	S. by E.	1			30.29	76	79	72	75	"	"		4	"
3	2	6	44.3	"	S.E. by S.	2		¼	30.29	77	78	73	75	"	"		4	"
4	1	1	45.4	"	S.S.E.	1		¼	30.29	77	76	74	74	"	"		4	"
5	1	1	45.5	"	"	1		¼	30.29	79	73	72	73	"	"		4	"
6	1	5	45.5	"	South	1		¼	30.29	75	73	72	73	"	"		4	"
7	-	2		E.N.E.	"	0-1			30.28	75	73	72	73	"	cu-n		4	"
8	-	-		-	East	0-1			30.28	75	73	72	73	"	"	N.	5	"
9	-	-		-	Calm	0			30.28	74	73	72	73	"	"	"	5	S.
10	-	-		-	-	0			30.27	73	71	71	73	"	"	"	5	"
11	-	6	45.5	N. E.	S. E.	1			30.26	72	70	69	73	"	"		7	"
Mid.	-	-		"	Calm	0			30.25	72	70	70	73	"	"		4	"

4-48

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, July 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, rainy first three hours, clearing somewhat toward end of watch. Vivid lightning first hour and a half. Light breezes and airs from North and moderate breeze from N.E. by E. last hour. Barometer falling slowly. At 1.00 took in mainsail, main topmast staysail, and spanker, and set them again at 2.45. On course E. ½ N. until 2.45, after that, full and by. Ship rolling easily about 8 times per minute to moderate swell on port bow and beam. Max. roll 15° to leeward and 10° to windward. At end of watch on wind under all sail save royals, flying jib and main trysail.

W. F. Low
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Gentle breezes from N.E. by E. and East, falling to light airs from E. by N. and E.S.E. Barometer rising slowly. Moderate to smooth sea. About 4.05 sighted a sailing vessel on starboard quarter, but soon lost sight of it. At 6.00 set flying jib and royals, and at 6.55 hauled down main topmast staysail. At 7.05 hauled in patent log reading 40.0. At 6.45 brought ship on starboard tack by wearing. Full and by at end of watch under all sail save main topmast staysail and trysail.

W. J. Marion,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Calm to light airs from South and S.S.W. Under all sail except main trysail and main topmast staysail. Course E. ½ N. till 8.30 when changed to E. by N. Ship having bare steerage way. At 8.30 took in and furled mainsail, put on steaming covers and at 8.45 lighted fires under boiler A for distilling. At 9.30 set main topmast staysail and main trysail. Hauled down staysail at 10.30. Mustered at quarters at 9.40, and exercised battalion of infantry. Ship almost steady in long swell from N.E.

F. R. Baldwin
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Light variable airs to breezes from S.S.W. to S.E. by S. Ship steady. At 1.00 changed course to E.N.E. ½ E. (P.S.C.) log 40. At 11.00 set main topmast staysail. At end of watch ship under all sail to royals except mainsail. Unobstructed watch on deck in sails, standing and running rigging; and watch below at knotting and splicing. Began distilling into Ships tanks at 2.45. A Board of Survey, Lieut C.M. Fahs, senior member, met, condemned, and threw overboard 150 lbs dried apples and 50 lbs peaches in Bay Dept stores as unfit for issue.

Joseph Earle
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Light airs from S.S.E. to South. Course E.N.E. ½ E. (P.S.C.) All sail set save the mainsail. At 5.05 exercised at reefing and making sail. Ship nearly steady. At 5.45 took in the spanker. Distilling.

C. M. Fahs
Lieut, U.S.N.

6 to 8 P.M.

Fair and calm. Barometer steady. Sighted large water spout to West'd. At 6.40 took in main topmast staysail and at 6.55 took in royals and flying jib. At end of watch, no steerage way, with following sail set: topgallantsails, topsails, forcsail, fore topmast staysail, jib and main trysail. Ship almost steady, pitching slightly. Sail in sight to West'd. Distilling.

Earl Daw
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and calm. Barometer falling. Moon rose over high cloud bank at 10.13. At 9.45 set main trysail and at 10.40 took it in and hauled in patent log reading 46.6. At 11.00 set main topmast staysail and at 11.45 took it in and also main trysail. Under topsails, topgallantsails, forcsail, jib and fore topmast staysail at end of watch.

Examined and found to be correct.

W. F. Low
Ensign, U.S.N.

W. J. Marion,
Ensign, U.S.N.

E. T. Le Fevre
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Newport, R.I., to

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	0	5	45.5	S.W.	E.N.E.	0-2	S.		30.21	70	70	70	73	lcd.	cu-ni	S.	6	S.
2	3	1	48.6	S.E. by S.	"	2-3			30.20	69	67	67	73	lcpl.	"	"	8	"
3	3	5	52.1	S.E.	N.E. by E.	3	3°	½	30.19	67	65	65	73	ovcdl.	"	S.W.	10	"
4	1	0	52.4	East	North	1	4°	½	30.17	66	63	63	74	lcpdl.	"	E.	8	"
5	0	5		"	"	0-1			30.15	69	65	64	74	lc	cu-cu	"	7	"
6	1	0		"	"	0-1			30.16	73	67	65	74	"	"	"	5	"
7	1	0		"	"	0-1			30.17	74	70	69	74	"	"		5	"
8	0	4		South	E. by S.	0-1			30.18	78	72	71	74	"	"		5	"
9	0	4		"	"	1	4°		30.19	78	74	71	74	"	"		6	"
10	0	5	52.4	"	"	1	4°		30.19	75	73	70	75	"	s-cu		9	"
11	3	1	56.5	S.E. by E. S.E. ½ E.	N. by E.	3	4°	½	30.17	72	68	65	70	lcp.	cu-n		9	"
Noon.	1	0	56.9	N.E. x E. ½ E.	N.E. by E.	1			30.16	75	68	65	70	lcpl.	"		9	"

Position at 8 A. M. { Latitude by DR. 41° 45' 00" N. Mag. Temp.
Longitude by Obs. 42° 14' 30" W. For. Aft.

Position at noon: { Latitude by observation 41° 47' 44" N. 77-75 74-72
Longitude by observation 42° 7' 54" W.
Latitude by D. R. 41° 43' 51" N.
Longitude by D. R. 42° 13' 50" W.

Course made good since preceding noon: N. 88° E.

Distance made good since preceding noon: 28 miles.

Distance by Log since preceding noon: 25.6 miles.

Current per hour: 0.3 miles, set N. 57° E. true.

Position at 8 P. M. { Latitude by DR. 41° 58' 00" N.
Longitude by Obs. 41° 52' 00" W.

Variation of compass: from chart 26° 14' 00" W'ly

Error of compass observed at 7.11 P.M. 17° 24' 00" W'ly.

Deviation of compass on E N E 9° 16' 00" E'ly.

Water expended during the preceding 24 hours, 5.00 gallons.

Water distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 129 " 240 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion.	CLOUDS. Amount.	State of the Sea.
P. M.																
1					Calm	0	30.16	82	71	69	74	lc.	ci.		5	S.
2						0	30.16	84	75	72	74	"	"		4	"
3		5		E. N. E.	South	1	30.16	81	75	72	74	"	cu-cu	S.	7	"
4	1	8	57.7	"	S.W.	3	30.16	80	75	72	74	"	"	"	5	"
5	3	5	60.8	"	S.W. by S.	3	30.15	79	74	72	74	"	"	"	5	"
6	3	7	64.5	"	"	3	30.14	77	72	69	74	"	"	"	5	"
7	3	2	67.7	"	W.S.W.	3	30.13	77	72	68	74	"	cu-n	S.W.	4	"
8	3	3	71.0	"	S.W.	3	30.12	76	71	68	74	lcpl.	"	"	6	"
9	3	2	74.2	"	"	3	30.13	74	71	68	74	"	"	"	6	"
10	3	0	76.4	"	"	3	30.13	73	70	67	73	lcd.	"	"	7	"
11	3	2	79.6	"	West.	3	30.12	73	70	67	73	"	"	W.	7	"
Mid.	3	4	84.0	"	"	4	30.11	74	70	67	72	"	"	"	7	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, July 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4: A.M.

Cloudy and raining. Calm, gentle breeze from E.N.E. and light airs from North. Under jib, fore topmast staysail, foresail, topsails and topgallantsails. Wore ship to port tack at 12:30 and set main trysail and main topmast staysail. Put over patent log at 1:00 reading 45.5. Raining heavily at 1:00 o'clock and during rest of watch. Hauled down main topmast staysail at 3:30. Hauled in Patent log at 4:00 reading 52.4.

H. E. Bellinger
Ensign, U.S.N.

4: to 8: A.M.

Cloudy to fair and hot. Calms to light variable airs from North to E. by S. Ship steady. At 5.30 set main topmast staysail, spanker, royals and flying jib. Ship full and by on port tack making East first three hours and South last hour. A bark in sight on stbd. quarter. Under all sail except mainsail, no steerage way at end of watch.

Ralph Earle.
Ensign, U.S.N.

8: A.M. to Meridian.

Cloudy and pleasant. Occasional sittings of rain latter part. Light airs from E. by S. Gentle breeze from N. by E. third hour dying away to light airs again from N.E. by E. Ship nearly steady. Course E.N.E. ½ E., but standing full and by. All sail set. Took in royals and flying jib at 10:15 and set them again at 10:30. At 9.30 went to General Quarters. All divisions ready in 4½ minutes, secured in 3 minutes. Barely making steerage way at end of watch. Distilling. Bark noted in preceding watch lying astern 2½ miles distant at end of watch.

C. M. Fahs
Lieut., U.S.N.

Meridian to 4. P.M.

Fair and pleasant. Calms and gentle breeze from S.W. Barometer steady. At 12.30 lighted fires under boiler "B". Instructed boys in knotting and splicing and lead of gear. At end of watch on course E.N.E. under all square sail except mainsail & head sails. Ship practically steady. No steerage way first 2½ hours of watch. At end of watch making about 3½ knots. Bark on port quarter and smoke of steamer on port beam. Made weekly test of magazine drains and flood cocks, and found them in good order. Cleaned and disinfected bilges.

Ellicott Snow
Ensign, U.S.N.

4. to 6. P.M.

Clear and pleasant. Gentle breezes from S.W. by S. Barometer steady. At 5:10 sounded "Fire Alarm" for drill, and all divisions reported ready in 3 m, 15 s. Secured at 5:20 all divisions reported secure in 5 minutes. Smooth sea, ship pitching very slightly. Banked fires under boiler "B" at 5:00. Bark on port quarter going to East'd. At 5:30 set main topmast staysail and main trysail, hauled down staysail at 5:53. At end of watch on course E.N.E. (P.S.C.) under all square sail (except mainsail), head sails, and main trysail.

W. H. Glanton.
Ensign, U.S.N.

6. to 8. P.M.

Cloudy and pleasant. Light showers of rain passed over at 7:50. Gentle breezes from W.S.W. and S.W. Under all sail except mainsail, main topmast staysail, and spanker, on course E.N.E. At 7:45 took in royals and flying jib. A bark in sight on port quarter.

H. E. Bellinger
Ensign, U.S.N.

8. P.M. to Midnight.

Fair to cloudy and pleasant. Gentle to moderate S.W.by W. to West'ly breezes. Moon rose at 10:10. Ship rolling easily 5° each side, 10 times per minute, to long swell astern. Hauled down jib at 10:30. On course E.N.E. (P.S.C.) under topgallant-sails, topsails, foresail, fore topmast staysail, and main trysail.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.
E. T. Leiper Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	3	7	87.7	E. N. E.	W.S.W.	3			30 10	74	69	67	72	bc.	cu.	S.W.	4	L.
2	4	0	91.7	"	"	3			3009	74	69	67	72	"	a-cu	-	6	"
3	3	8	95.5	"	S.W.	3			3008	74	69	68	72	"	"	"	7	"
4	5	2	100.7	"	"	4			3007	74	70	68	73	"	"	"	7	"
5	5	4	6.1	"	"	4			3006	75	71	69	72	bcp.	s-n.	-	8	m.
6	6	6	12.7	"	S.S.W.	5			3006	75	71	69	72	bc.	"		8	"
7	7	2	19.9	"	"	5			3006	75	71	69	72	bcp.	"		9	"
8	6	7	26.6	"	South.	5			3005	75	72	69	72	"	"	S.	10	"
9	8	0	34.6	"	"	6			3003	72	71	68	72	"	"	"	10	"
10	7	5	42.1	"	S.S.E.	6-7			3000	72	71	68	72	bcpq.	n.	"	10	"
11	7	5	49.6	E.N.E. ½ E.	South.	6			2999	73	71	69	72	"	s-cu	"	8	"
Noon.	5	9	55.5	"	"	6			2998	74	71	69	73	"	"	"	9	"

Position at 8 A. M. { Latitude by DR. 42° 34' 24" N. Mag. Comp. / Longitude by Obs. 40° 44' 00" W. For. Aft. 76-75 72-73

Position at noon: { Latitude by observation 42° 32' 00" N. / Longitude by observation 40° 15' 15" W. / Latitude by D. R. 42° 32' 44" N. / Longitude by D. R. 40° 22' 18" W.

Course made good since preceding noon: N. 62° E.

Distance made good since preceding noon: 94.5 miles.

Distance by Log since preceding noon: 101.9 miles.

Current per hour: 0.83 miles, set S. 76° E. true.

Position at 8 P. M. { Latitude by DR. 43° 4' 00" N. / Longitude by Obs. 39° 25' 5" W.

Variation of compass: from chart 27° 45' 00" Wly

Error of compass observed at 6.00 P.M. 18° 8' 00" Wly

Deviation of compass on E. N. E. ½ E. 9° 37' 00" Wly.

Water expended during the preceding 24 hours, 5 00 gallons.

Water distilled during the preceding 24 hours, 13 00 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 448 lbs.

Coal remaining on hand at noon, 127 " 2095 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	7	3	62.8	E.N.E. ½ E.	South.	6	P. 7°		29 97	74	71	69	73	bc.	s-n.	S.	7	m.
2	7	3	70.1	"	S.S.W.	6	7°		29 96	74	71	69	73	"	"	"	7	"
3	6	5	76.6	"	W.S.W.	6	3°		29 94	79	71	69	73	"	"	"	7	"
4	6	7	83.3	"	"	6	-		29 93	80	71	69	73	"	ci-cu	S.W.	6	"
5	7	0	90.3	"	"	6	-		29 94	80	71	69	73	"	"	"	6	"
6	7	0	97.3	"	"	6	-		29 94	80	71	69	73	"	"	"	5	"
7	6	1	103.4	"	S.W.	5	-		29 97	77	73	72	73	"	"	"	6	"
8	6	5	09.9	"	"	6	-		29 93	74	73	73	73	"	"	"	7	"
9	6	1	16.0	E. by N.	"	6	3°		29 93	76	75	74	73	ocp.	cu-n	"	10	R.
10	7	3	23.3	"	S.S.W.	6	4°		29 92	75	74	74	73	bc.	"	"	9	"
11	7	7	31.0	E.N.E.	"	6	4°		29 91	75	74	73	72	oc.	"	"	10	"
Mid.	8	3	39.8	"	South.	6-7	5°		29 88	75	74	73	72	"	"	"	10	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, July 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and pleasant. Bright moonlight. Gentle to moderate breeze from W.S.W. to S.W. Course E.N.E. (P.S.C.). Under topgallantsails, topsails, foresail, fore topmast staysail and main trysail. Ship pitching easily to swell on stbd quarter. Distilling.

C. M. Bahn
Lieut, U.S.N.

4. to 8. A.M.

Cloudy to overcast. Light rain spits. Moderate to stiff breeze from S.W. to South. Barometer steady first three hours, falling last hour. At 4:10 set royals. At 5:00 set flying jib and main topmast staysail, and at 5:45 set spanker. Ship rolling easily to moderate sea on stbd quarter. Max. roll 10° to port and 5° to stbd. Stopped distilling at 6:00 and allowed fires to die out under all boilers. At end of watch on course E.N.E. (P.S.C.) under all sail save mainsail.

Wm. Allen
Ensign, U.S.N.

8. A.M. to Meridian.

Overcast, cloudy, and passing rain squalls. Fresh breezes from South, hauling to S.S.E., then to South. Barometer falling. At 10:00 changed course to E.N.E. ½ E. (P.S.C.). About 8:05 took in royals and hauled down flying jib, at 9:30 took in topgallantsails and at 9:45 the spanker. At 11:20 set clock ahead ten minutes. Ship rolling 8 times per minute, greatest roll noted 12° to port. At end of watch on course E.N.E. ½ E. (P.S.C.) under topsails, foresail, fore & main topmast staysails, jib and main trysail.

W. J. Morison,
Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy. Clearing last half. Fresh breezes from South, S.S.W., and W.S.W. On course E.N.E. ½ E. under jib, fore topmast staysail, foresail, topsails, main topmast staysail, and main trysail. At 12:40 set mainsail, and took in main trysail. At 1:20 set topgallantsails. At 3:00 took in jib and main topmast staysail. Ship heeled 7° to port and rolling 12° to port, 6° to stbd., 8 times a minute. W. White (Cox.) received an acting appointment as B.M. 2.C. to take effect July 1, 1899.

W. A. Caldwell
Ensign, U.S.N.

4. to 6. P.M.

Cloudy to fair. Fresh W.S.W. ly breezes. Ship rolling to moderate swell on stbd quarter, 18° port and 15° stbd., 7 per minute. Hauled up lee clew mainsail at 4:30. Mustered at quarters at 5:15. On course E.N.E. ½ E. (P.S.C.) under topgallantsails, topsails, foresail, and for topmast staysail.

Roger Baree,
Ensign, U.S.N.

6. to 8. P.M.

Cloudy and pleasant. Stiff to fresh S.W. breeze. Course E.N.E. ½ E. (P.S.C.). Under fore topmast staysail & all square sail save royals and mainsail. Max. roll 13° to port & 11° to stbd, 6 rolls per minute.

C. M. Bahn
Lieut, U.S.N.

8. P.M. to Midnight.

Overcast, occasional light passing showers. Fresh breeze from S.W. to South, increasing in strength somewhat toward end of watch. Barometer (Aneroid) falling. Mercurial rising and at midnight registered 30.03. At 8:10 hoisted jib, at 8:40 took in topgallantsails. Ship rolling at times deeply to rough sea on stbd quarter. Max. roll 25° to port and 17° to starboard. Rolling from 6 to 8 times per minute. At 8:05 changed course to E. by N. (P.S.C.) pat. log 10.5, and at 10:13 changed course to E.N.E. (P.S.C.) pat. log 25.6. At end of watch on course under topsails, foresail, fore topmast staysail and jib.

Wm. Allen
Ensign, U.S.N.

Examined and found to be correct.

E. Z. Lapin.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.							R											
1	8	3	48.1	E. N. E.	S. by E.	6	5°		29 87	75	74	73	72	oc.	cu-n.	S.	10	S.
2	8	2	56.2	"	"	6	5°		29 82	75	74	73	72	"	"	"	10	"
3	9	8	66.0	"	"	6-7	8°		29 78	75	73	73	72	"	"	"	10	"
4	3	8	69.8	N. E. by E. ½ E.	"	6-7	8°		29 77	74	72	72	72	ocr.	"	"	10	"
5	8	4	83.7	"	South.	8			29 76	74	71	71	70	"	"	"	10	R.
6	5	5	89.2	N. E. by N.	S. S. W.	10			29 74	73	71	71	69	"	"	"	10	"
7	4	1	93.3	N. N. E.	"	8-9			29 74	74	71	71	69	bcm.	"	"	9	"
8	4	4	96.7	N. E.	"	8-9		Ps	29 76	75	72	72	68	"	S-cu.	"	9	Ql
9	2	0	—	S. E.	"	7		6	29 81	75	73	72	68	"	"	"	9	"
10	1	0	—	"	"	7		6	29 83	77	73	72	68	"	"	"	6	"
11	1	0	—	S. E. by E.	"	7		6	29 83	77	73	72	68	"	"	"	6	"
Noon.	1	0	—	"	S. W.	6		6	29 86	78	73	72	68	"	"	"	6	"
				"	"	6		6	29 88	78	74	72	69	"	"	"	6	"

Position at 8 A. M. { Latitude by D.R. 43° 56' 48" N. Mag. Temp.
Longitude by Alt. 37° 47' 15" W. For. Aft.

Position at noon: { Latitude by observation 44° 22' 43" N. 78-76 74-73
Longitude by observation 37° 42' 45" W.
Latitude by D. R. 43° 58' 48" N.
Longitude by D. R. 37° 45' 00" W.

Course made good since preceding noon: N. 45° E.

Distance made good since preceding noon: 158 miles.

Distance by Log since preceding noon: 146 miles.

Current per hour: 1.0 miles, set N. 4° E. true.

Position at 8 P. M. { Latitude by D.R. 44° 32' 00" N.
Longitude by Alt. 36° 51' 00" W.

Variation of compass: from chart 29° 00' 00" W'ly.

Error of compass observed at 5:36 P.M. 20° 35' 00" W'ly.

Deviation of compass on E. ½ S. 8° 25' 00" E'ly.

Water expended during the preceding 24 hours, 3 00 gallons.

Water " during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 127 " 1645 "

P. M.								Ps.										
1	0	5	96.7	S. E. by S.	S. W.	6		6	2999	77	74	74	69	bcm.	cu-cu	S.	6	Ql.
2	5	6	01.3	E. ½ S.	S. W. by S.	5			2990	78	74	72	69	"	"	"	6	"
3	4	5	6.8	"	S. S. W.	4			2990	77	74	72	69	"	"	"	6	L.
4	4	5	10.3	"	"	4			2991	77	73	72	69	"	"	"	5	"
5	3	4	13.7	"	"	4			2994	77	74	72	69	"	"	"	5	"
6	3	8	17.5	"	"	3			2996	76	73	72	69	"	"	"	5	"
7	3	6	21.1	"	"	3			2997	76	73	72	69	"	"	"	8	"
8	2	8	23.9	"	"	2			2998	74	73	72	69	"	"	"	8	"
9	2	2	24.2	"	"	2			3000	74	73	72	69	"	"	"	7	"
10	2	0	25.5	"	"	1			3000	72	71	70	69	"	"	"	7	"
11	2	1	25.5	"	"	1			3001	72	71	70	69	bcm	S-cu	S.W.	7	"
Mid.	2	4	25.3	"	"	2			3002	73	72	72	68	ocp.	m	.	10	"

4—2 b

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, July 30th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy, rainy last hour. Fresh breezes from S. by E. Barometer falling. Ship rolling 5 times per minute, greatest roll noted 20° to port and 10° to stbd. Long sea on starboard beam. At 3:30 furled mainsail, and at 3:45 hauled down and stowed jib. At 3:45 changed course to N.E. by E. ½ E. (P.S.C.) patent log reading 69.8. On course N.E. by E. ½ E. (P.S.C.) under topsails, foresail, and fore topmast staysail at end of watch.

W. J. Marion,
Ensign, U.S.N.

4. to 8. A.M.

Overcast with strong gales blowing from S.S.W. On course N.E. by E. ½ E. under fore topmast staysail, foresail, and fore & main topsails. At 6:30 the ship was struck by a heavy gale from S.S.W., ran off before it, and close reefed main topsail. Called "all hands" and furled fore topsail. Furled foresail, and set clew of main trysail, hauling down fore topmast staysail. Set storm mizzen and hove to on stbd. tack at 6:45. Bent fore storm staysail. Ship rolling heavily but taking no seas aboard. Heaviest rolls 36° to port and 25° stbd. Hauled in patent log at 6:45 reading 95.7. At 6:30 sent down light yards.

H. H. Baldwin, Ensign, U.S.N.

8. A.M. to Meridian.

Fair generally, gale moderating rapidly. Fresh breezes from S.S.W. & S.W. Ship hove to on the stbd tack, ship rolling 8 times per minute, to heavy sea on stbd. bow, 38° port and 32° stbd. Under close reefed main topsail, main trysail, and storm mizzen. Hauled out head of trysail at 10:00. Put oil bags over to windward. Set clock 15 minutes ahead at 11:00.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Fresh to moderate breezes from S.W. to S.S.W. Hove to until 12:45 under same sail as in preceding watch, when set foresail & fore topsail, fore topmast staysail and jib, shook reefs out of main topsail, and set main topmast staysail, putting the ship on course E. ¼ S. (P.S.C.). At 2:45 set mainsail. Ship rolling at times, at 6 rolls per minute to sea on stbd. quarter, Max. roll 19° to stbd, and 21° to port.

C. McDaks
Lieut, U.S.N.

4. to 6. P.M.

Fair and pleasant. Hazy. Moderate to gentle S.S.W. breeze. Barometer rising. Light scud passing overhead from S.W. At 5:45 held prayers on quarter deck. Ship rolling deeply at times to sea on stbd quarter. Max roll 22° to port and 18° to stbd., about 7 times per minute. At end of watch on course E. ¼ S. (P.S.C.) under topsails, courses, fore & main topmast staysails, & jib.

W. J. Marion,
Ensign, U.S.N.

6. to 8. P.M.

Fair and hazy. Gentle falling to light breezes from S.S.W. Barometer rising slowly. About 7:45 all hands were called. Took two single reefs in the topsails, took in and furled mainsail, hauled down and stowed jib, and set main trysail. Ship rolling six times per minute, greatest roll noted, 13° to port and 10° to stbd. On course E. ¼ S. (P.S.C.) under topsails (with two single reefs), foresail, fore and main topmast staysails, and main trysail at end of watch.

W. J. Marion,
Ensign, U.S.N.

8. P.M. to Midnight.

Overcast. Light drizzling rain falling last half hour. Light airs to light breezes from S.S.W. On course E. ½ S. under fore topmast staysail, foresail, double reefed topsails, main topmast staysail, and main trysail. Hauled down main topmast staysail at 9:00. Ship rolling 6 times a minute in a slwell from S.S.W. Max rolls 18° port 16° stbd.

H. H. Baldwin, Ensign, U.S.N.

Examined and found to be correct.

F. F. Lester,
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hod.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, each=10.	State of the Sea.
A. M.																		
1	1	1	26.1	E. 4 S.	S.S.W.	1			30.00	73	71	71	69	o.c.d.	N.	S.W.	10	L.
2	0	8	26.1	"	"	0-1			30.01	72	71	71	69	"	"	"	10	"
3	2	0	26.2	"	"	2			30.01	72	70	70	69	"	"	"	10	"
4	1	9	26.3	"	"	2			30.01	72	70	70	69	"	"	"	10	"
5	2	3	27.1	"	"	2			30.02	72	71	70	69	"	"	"	10	"
6	2	2	28.0	"	"	2			30.03	72	71	70	69	"	"	"	10	"
7	2	0	28.5	"	"	2			30.06	75	70	70	69	"	"	"	10	"
8	2	3	29.0	"	"	2			30.08	74	70	70	69	"	"	"	10	"
9	2	5	30.8	"	South	2	2°	1/2	30.09	73	70	70	69	"	"	-	10	"
10	1	5	32.1	"	W. by S.	1		1/2	30.11	72	70	70	69	o.c.s.r.	"	-	10	"
11	1	3	32.1	"	S.W.	1		1	30.13	75	68	68	69	"	"	W.	10	"
Noon.	1	1	32.1	"	"	1		1	30.15	74	68	68	68	l.c.	"	"	8	"

Position at 8 A. M.	Latitude by D.R.	44° 38' 48" N.
	Longitude by D.R.	36° 22' 00" W.
Position at noon:	Latitude by observation	44° 5-1' 00" N.
	Longitude by observation	35° 45" 14" W.
	Latitude by D. R.	44° 40' 49" N.
	Longitude by D. R.	36° 24' 45" W.
Course made good since preceding noon:		N. 72° E.
Distance made good since preceding noon:		89 miles.
Distance by Log since preceding noon:		58.3 miles.
Current per hour: 1.2 miles, set N. 69° E. true.		
Position at 8 P. M.	Latitude by D.R.	44° 56' 7" N.
	Longitude by Obs.	35° 21' 24" W.
Variation of compass: from chart		29° 15' W.by.
Error of compass observed at 5:37 P.M.		20° 45' W.by
Deviation of compass on E. 1/2 S.		8° 30' Ely
Water expended during the preceding 24 hours,		55-0 gallons.
Water during the preceding 24 hours,		"
Water remaining on hand fit for use at noon,		215-0 "
Coal consumed during the preceding 24 hours,		... tons, 45-0 lbs.
Coal remaining on hand at noon,		127 " 1195- "

Mag. Temp. For. Aft. 77-76 74-73

P. M.																		
1	0	5	32.1	E. 1/2 S.	S.W.	1			30.15	79	71	71	67	l.c.	c.-cu. N.	S.W.	9	S.
2	0	6	32.1	E. 1/2 S.	"				30.16	79	71	70	67	"	"	"	9	"
3	2	3	33.1	"	"	2			30.17	79	71	70	67	"	"	"	9	"
4	2	0	33.4	"	W. by S.	2			30.17	79	71	70	67	"	c.-cir.	"	8	"
5	2	7	35.8	"	"	2			30.18	78	72	70	67	"	"	"	7	"
6	2	7	38.0	"	W. by N.	2			30.20	79	71	70	67	"	"	"	6	"
7	3	0	40.5	"	W. by N.	3			30.22	79	72	71	68	"	F.-cu.	-	5	"
8	4	0	43.3	"	"	3			30.23	74	69	68	68	"	s.-cu.	W.	9	"
9	4	0	47.3	"	"	3			30.25	73	68	67	68	"	"	"	9	"
10	4	0	51.3	"	"	3			30.26	73	68	67	68	a.-cu.	"	"	9	"
11	4	0	55.3	"	"	3			30.26	73	68	67	68	"	"	"	9	"
Mid.	4	0	59.3	"	W.N.W.	3			30.28	73	68	67	68	"	c.-s.	"	10	"
	3	5	62.8	"	"	3			30.28	70	71	66	68	"	"	"	10	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday July 31st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and raing. Calms to light S.S.W'ly airs and breezes. Moon rose at 12:10. Ship rolling to swell on stbd quarter 6 times per minute, 10° port and 8° stbd. On course E. ¼ S. (P.S.C.) under double reefed topsails, foresail, fore topmast staysail, and trysail.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Overcast with fine drizzling rain greater part. Light S.S.W. breeze. Ship nearly steady. At 4:30 shook reefs out of the topsails, set mainsail, jib and main topmast staysail. Took in main trysail. Course E. ½ S. (P.S.C.)

C.M. Parks
Lieut. U.S.N.

8 A.M. to Meridian.

Overcast, rainy last three hours, clearing somewhat last hour. Light airs from South to W. by S. Barometer rising. At 8:45 sent topgallant yards and bent gear. At 9:45 set topgallantsails. At same time hauled up mainsail and hauled down main topmast staysail. Ship rolling slightly at times to swell on stbd. beam and quarter. Max. roll 5° to stbd. and 8° to port. The Commander made the following changes in rating: J. L. Bighanr, E. Lanham, W. A. Simpson, and Frank Platoe, each from Seaman to Ord. The following punishments were assigned by the Commander: J. F. Hellings (App. S.C.), C. D. Amphlett (App. S.C.), J. Whelan (App. S.C.), loafing in hatch during watch on deck, each four hours extra duty. A. E. Gerrity, slow in answering a call, one weeks extra duty as striker. Ship rolling about 6 times per minute. At 11:30 sighted sail on stbd. beam. At 11:00 set lee clew of mainsail. Course E. ½ S.

W. P. Blue
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light airs increasing to light breeze from S.W. and light breezes from W. by S. Barometer rising. During drill period apprentices on watch were instructed by parts of ships in running rigging and sails, and watch below in knotting and splicing. At 2:30 sent up royal yards, and at 3:00 set the royals. At 3:50 the wind hauling Aft, hauled up mainsail. Ship rolling 5 times per minute, 5° to port and 2° to stbd. Bark in sight on stbd beam during first part of watch. At 12:30 changed course to E. ½ S. (P.S.C.). Ship on course E. ½ S. (P.S.C.) under all square sail (except mainsail), jib and fore topmast staysail at end of watch.

W. J. Manon.
Ensign, U.S.N.

4 to 6 P.M.

Clear and fine. Light to gentle breeze from W. by N. Barometer rising. On course E. ½ S. under jib, fore topmast staysail, foresail, topsails, topgallantsails and royals. Mustered at quarters at 5:15. Ship rolling 10° to port, 8° stbd. 7 times a minute in long following swell. Two barks sighted to the South'd & East'd.

K. P. Bellows
Ensign, U.S.N.

6 to 8 P.M.

Cloudy. Gentle W. by N. breeze. Swell on stbd. quarter, ship rolling 8 times per minute, 12° port and 8° stbd. Hauled down jib at 6:45. At 7:30 called all hands and furled royals, took single reef in topsails, and set topgallantsails over them. On course E. ½ S. (P.S.C.) under topgallantsails, single reefed topsails, foresail and fore topmast staysail.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast and misty. Gentle breeze from W. by N. to W.N.W. Course E. ½ S. (P.S.C.) under topgallantsails, single reefed topsails, foresail, and fore topmast staysail. Ships max. roll 15°, making at times five rolls to the minute.

C.M. Parks
Lieut. U.S.N.

Examined and found to be correct.

APPROVED.
Frank Courtis
COM'D'R., U.S.N., COM'D'G.

E. F. Leiper
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	3	3	66.1	E. ½ S.	W by N.	3			30 27	71	69	68	68	b-c-d.	S-cu		7	m
2	3	0	69.1	"	N.W. by N.	4			30 27	71	67	68	68	"	"		8	"
3	3	5	72.6	"	N.W.	4			3028	70	67	68	68	c-c-d-p.	N.		10	"
4	3	9	76.5	"	"	3			3029	70	68	68	68	b-c-d-p.	"		9	"
5	4	2	80.7	"	N.W. by N.	3			3030	70	67	67	68	"	"		10	"
6	4	3	85.0	"	N.W.	3			3031	69	67	67	67	b-c.	"		9	"
7	5	0	90.0	"	N.W. by W.	4			3033	69	67	66	69	"	"		8	"
8	4	0	94.0	"	"	3			3035	71	67	66	67	"	"		8	"
9	4	6	98.6	"	N.W. by N.	3			3036	71	67	66	67	"	"		8	d.
10	4	4	103.3	"	"	3			3036	71	67	66	67	"	"		8	"
11	4	5	7.8	"	"	3			3037	71	68	67	68	"	"		8	"
Noon.	3	5	7.3	"	"	3			3037	73	70	67	68	"	S-cu		7	"

Position at 8 A. M. { Latitude by DR. 45° 9' 8" N. Mag. Temp. Fore. Aft.
Longitude by Obs. 33° 56' 00" W. 77-75 73-72

Position at noon: { Latitude by observation 45° 9' 16" N.
Longitude by observation 33° 33' 12" W.
Latitude by D. R. 45° 13' 50" N.
Longitude by D. R. 33° 49' 14" W.

Course made good since preceding noon: N. 79° E.

Distance made good since preceding noon: 95 miles.

Distance by Log since preceding noon: 85.3 miles.

Current per hour: 0.52 miles, set S. 69° E. true.

Position at 8 P. M. { Latitude by DR. 45° 22' 8" N.
Longitude by Obs. 32° 44' 38" W.

Variation of compass: from chart 29° 15' W'ly.

Error of compass observed at 5:20 P.M. 19° 55' W'ly.

Deviation of compass on East 9° 20' E'ly.

Water expended during the preceding 24 hours, 5.00 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 127 " 745 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	2	2	12.9	E. ½ S.	N.W. by N.	3			3037	73	74	73	68	b-c-d.	S-cu		7	L.
2	4	0	15.7	East.	"	3			3037	72	74	73	68	b-c.	"		7	"
3	4	6	19.7	"	"	3			3037	72	69	67	68	"	"	NW.	7	"
4	4	7	24.3	"	"	3			3037	73	69	68	68	"	cu.	"	6	"
5	4	9	29.0	"	"	3			3038	75	69	68	68	"	"	"	6	"
6	5	1	33.9	"	"	3			3038	75	69	67	68	"	"	"	6	"
7	4	6	39.0	"	"	3			3038	74	68	66	68	"	"	"	6	"
8	4	2	43.6	"	"	3			3038	72	68	68	68	"	S-cu	"	8	"
9	4	5	47.8	"	"	3			3038	70	68	68	68	"	"	"	8	L.
10	4	7	52.3	"	"	3			3038	70	68	68	68	oc.	"	"	10	"
11	4	5	57.0	"	"	3			3037	69	68	68	68	b-c.	N.	"	9	"
Mid.	3	7	61.5	"	N. by W.	3			3037	69	67	67	68	b-c.	"	N	3	"

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, August 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy, clearing every now and then. Light drizzling rain spits occasionally. Gentle to moderate breeze from W. by N. to N. W. Barometer steady. Ship rolling easily to sea on port quarter, about 7° to port and 10° to stbd. No rolls, 7 per minute. At 1:30 sighted the light of a steamer a point on port quarter. At end of watch steamer was a little forward of beam. At 4:30 set lee clew of mainsail. At end of watch on course E. ½ S. under single reefed topsails, topgallantsails, foresail, fore topmast staysail and lee clew of mainsail.

W. J. Manion
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant, with light drizzling rain first hour. Gentle breezes from N. by E. and N. W., and moderate to gentle breezes from N. W. by W. Barometer rising. Steamer on port bow going to East'd was lost sight of about 7:30. At 4:30 shook out the single reef in topsails and set royals, and boarded main tack. Set jib at 6:26, and at 6:30, the flying jib and main topmast staysail. Ship rolling six times per minute to moderate sea on port quarter, 10° to stbd and 10° to port. On course E. ½ S. (P.S.C.) under all sail except main trysail, and spanker.

W. J. Manion.
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant. Gentle breeze from N. W. by N. Under all sail except main trysail, and spanker. At 9.20 set spanker and hauled out head of main trysail to dry. Mustered at quarters at 9:30 and exercised all divisional drills; 1st div. Single Sticks, 2nd div. Small Arms, 3rd div. Battery, 4th div. Pistols and Signals, 5th div. Small Arms. At 10:19 provided boats for Cutting Out. All boats reported ready in 12 minutes. Secured at 10:40. Set deck clock ahead 13 minutes. Mercurial Barometer at end of watch 30:34. Ship rolling 8° stbd. 6° port in long swell from port quarter.

R. R. Belknap
Ensign U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle N. W. by N. breeze. Ship rolling at times to swell on port quarter, 10° stbd, 8° port, 6 times per minute. 3rd period apprentices had routine drill. At 12:30, log 12.9, changed course to East (P.S.C.). At end of watch on course East (P.S.C.) log 29.0 under all plain sail to royals and fore and main topmast staysails.

Ralph Earle,
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Gentle breeze from N. W. by N. Ship rolling at times 8° to stbd and 6° to port, 6 times per minute. Course East (P.S.C.). All sail set save main trysail. At 5:30 mustered at quarters and exercised at "setting up."

C. M. Fahs
Lieut., U.S.N.

6 to 8 P.M.

Fair and pleasant. Gentle N. W. by N. breeze. Barometer steady. At 7:30 took in and furled royals and flying jib and took a single reef in topsails, and set topgallantsails over topsails. Course East (P.S.C.) Ship rolling slightly 4 stbd, and 3° to port quarter. At end of watch under topgallantsails, single reefed topsails, courses, fore & main topmast staysails, jib and spanker.

W. J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Heavy dew first hour and bright starlight last hour. Gentle breezes from N. W. by N. hauling last hour to N. by W. Barometer steady. Ship rolling 5° stbd and 3° to port, 8 times per minute. On course East (P.S.C.) under single reefed topsails, topgallantsails, courses, fore and main topmast staysails, jib and spanker.

W. J. Manion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hours	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, in tenths.	State of the Sea.
A. M.																		
1	5	4	70.6	East	N. by W.	3		1/4	30.36	68	67	66	68	bcm.	cu.	N.	6	S.
2	4	7	75.3	"	"	3		1/4	30.35	68	67	66	68	"	"	"	6	"
3	5	0	80.3	"	"	3		1/4	30.35	68	67	66	68	bcmp	N.	"	9	"
4	5	0	85.3	"	"	3		1/4	30.35	67	67	66	68	ocm	"	"	10	"
5	4	8	90.1	"	North	4		1/4	30.35	68	67	67	68	ocd	"	"	10	"
6	5	0	95.1	"	"	4		1/4	30.35	68	67	67	68	ocm	"	"	10	"
7	4	9	100.0	"	"	4		1/4	30.35	69	67	67	68	ocd	"	"	10	"
8	5	8	5.8	"	"	4	S.	1/4	30.35	69	68	67	68	"	"	"	10	"
9	5	1	10.9	"	N. by W.	4	2°	1/4	30.35	69	68	67	68	bcp.	"	"	8	"
10	4	6	15.5	"	[illegible]	3	2°	1/4	30.34	71	68	67	68	bc.	s.cu	"	8	"
11	4	0	19.5	"	"	3	2°	1/4	30.34	71	68	67	68	bcd.	s.m	"	9	"
Noon.	2	7	22.2	"	"	3	2°	1/4	30.34	71	68	67	68	ocd.	"	"	10	"

Position at 8 A. M.: Latitude by dlR. 45° 38' 50" N. — Longitude by Alt. 31° 22' 42" W.

Mag. Temp. For. Aft. 76-75 73-72

Position at noon: Latitude by observation — Longitude by observation 31° 00' 00" W. — Latitude by D. R. 45° 44' 00" N. — Longitude by D. R. 31° 3' 12" W.

Course made good since preceding noon: N. 76° E.

Distance made good since preceding noon: 114 miles.

Distance by Log since preceding noon: 111.6 miles.

Current per hour: 0.3 miles, set S. 71° E. true.

Position at 8 P. M.: Latitude by dlR. 45° 43' 13" N. — Longitude by Alt. 30° 9' 10" W.

Variation of compass: from chart 29° 10' W'ly.

Error of compass observed at 4:46 P.M. 19° 17' W'ly.

Deviation of compass on East 9° 53' E'ly.

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 127 " 295 "

Hours	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, in tenths.	State of the Sea.
P. M.																		
1	3	8	26.0	East	N. x W.	3	2° S.	1/2	30.33	73	73	72	69	ocd	s.m	N.	10	S.
2	4	4	30.4	"	North	3	2°	1/2	30.32	72	73	72	69	"	"	"	9	"
3	4	4	34.8	"	"	3	3°	1/2	30.32	72	73	72	69	"	"	"	10	"
4	4	3	39.1	"	"	3	3°	1/2	30.32	72	68	67	71	"	"	"	10	"
5	3	4	42.5	"	"	2	2°	1/2	30.32	73	68	68	69	bcd	"	"	10	"
6	3	1	45.6	E. x S.	N. x E.	2	2°	1/2	30.31	76	68	68	69	"	"	"	9	"
7	3	4	49.0	E. S. E. 1/2 E.	N. E. x N.	2	2°	1/2	30.32	76	68	68	69	"	"	"	9	"
8	2	3	51.3	E. x S.	N. E.	2	2°	1/2	30.32	72	67	67	69	bc.	"	"	9	"
9	2	6	53.4	East	N. x E.	3	0-3°	1/2	30.32	71	67	66	69	ocd	Nim.	—	10	"
10	3	1	56.5	E. 1/2 S.	"	3	0-3°	1/2	30.32	71	67	66	69	"	"	—	10	"
11	3	2	59.7	S. E. x E.	N. E.	3	0-3°	1/2	30.31	71	67	66	69	bcw	s.cu	—	9	"
Mid.	1	8	61.5	E. S. E.	N. E. x N.	2	0-2°	1/2	30.31	71	67	66	69	"	"	—	9	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, August 2nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Bright starlight. Moon rose at 1:15. Clouded over at 1:30 and a light drizzling rain falling at intervals after 2:30. Under jib, fore topmast staysail, courses, single reefed topsails, topgallantsails and spanker, on course East. Gentle breeze from N. by W. Ship rolling 5° stbd, 0° to port, 9 times a minute.

4 to 8 A.M. H. C. Baldwin Ensign, U. S. N.

Overcast, cloudy and drizzling. Gentle to moderate North'ly breezes. Barometer steady. Ship rolling occasionally 4° stbd. At 4:30 shook reef out of topsails. At 6:30 set royals and flying jib. At end of watch on course East (P.S.C.) log 5.8 under all plain sail to royals, and fore and main topmast staysails.

Ralph Earle, Ensign, U. S. N.

8. A.M. to Meridian.

Overcast with fine misty rain at times. Moderate to gentle breeze from N. by W. Ship nearly steady. The Comdr. awarded the following punishments: T. H. Martini (App. 3 C) and T. O'Donovan (App. 3 C), for constant neglect of their clothing, 4 hrs. extra duty each. E. S. Kirk (App. 3 C) slow at drill, one hours extra duty. At 9:30 inspected at quarters and held Divisional Drills as per routine. At 10:15 called "Arm and away, all boats, for cutting out". All boats ready in 6 minutes. At 10:50 set main trysail, and took in and furled mainsail, all other sail being set during entire watch. Hoisted the smoke stack part way, and at 11:30 lighted fires in boiler B for distilling.

Meridian to 4 P.M. C. W. Fahs Lieut. U. S. N.

Overcast with occasional fine misty rain. Gentle to moderate breeze from N. by W. and North. Barometer falling slightly first two hours, steady last two. Ship nearly steady, pitching slightly. Course East (P.S.C.). Lookout sighted steamer on stbd bow which was never seen from deck. Instructed apprentices off watch below in knotting & splicing, and watch on deck in lead of gear. At end of watch on course East under all sail save mainsail.

4 to 6 P.M. W. J. Marion Ensign, U. S. N.

Fair and pleasant, with light misty rain at intervals. Gentle breeze from North falling to light breeze from N. by E. Barometer falling slowly. At 5:30 mustered at quarters, after which the Divisions were exercised at setting-up drill. Ship rolling 8 times per minute, 5° to stbd. and 3° to port. About 4:30 took in and furled royals and flying jib. At 5:30 sighted a sailing vessel 3 points on stbd bow, and at end of watch it was 1 point on stbd. bow. Passed distilled water forward into tanks, it was tested and found to be all right. Ship on course East first hour, second hour "full and by" on port tack. Under all sail save mainsail, royals and flying jib.

6 to 8 P.M. W. J. Marion, Ensign, U. S. N.

Cloudy with drizzling rain at intervals. Light breeze from N. E. by N. and N. E. Full and by on port tack, under jib, fore topmast staysail, foresail, topsails, topgallantsails, main trysail and spanker. Making good E. S. E. ½ E., and E. by S. At 7:30 called all hands and single reefed topsails, setting topgallantsails over them. Ship steady.

8 P.M. to Midnight. H. C. Baldwin Ensign, U. S. N.

Overcast to cloudy with light drizzle. Gentle to light breeze from N. by E. to N. E. Sea smooth, ship steady. Steering full and by on port tack making East to S. E. by E., under sail as in previous watch.

Examined and found to be correct. Ralph Earle, Ensign, U. S. N.

E. F. Leiper Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	1	4	61.9	E.S.E. ½ E.	N.E. x N.	1		1	3030	73	67	66	69	bc.	S-cu.	N.O.	5	S.
2	2	2	62.2	S.E. x E. ¾ E.	N.E.	1-2		1	3030	73	67	66	69	"	cu.	"	2	"
3	1	8	63.0	S.E.	N.E. x E.	1		1	3029	72	67	66	69	"	"	"	2	"
4	1	0	63.0	S.E. ½ S.	"	1		1	3028	72	67	66	69	"	S-cu.	"	4	"
5	1	0	63.2	S.E.	"	1		1	3028	72	67	66	69	"	a-cu	"	8	"
6	1	0	63.2	S.E. ½ E.	"	1		1	3028	72	67	67	69	"	"	"	8	"
7	0	7	63.2	S. x E.	E. x S.	0-1		1	3028	74	67	67	69	"	"	"	5	"
8	0	5		South.	"	0-1	1.S.	—	3028	75	70	69	69	"	"	"	5	"
9	0	0		S. ¼ E.	Calm.	0		—	3028	76	72	69	69	"	"	"	5	"
10	1	2		S. x E. ½ E.	E.N.E.	1		—	3029	74	70	69	70	"	cir	"	5	"
11	0	7		S.S.E.	"	0-1		—	3028	75	70	68	70	"	cu.	"	4	"
Noon.	0	0		"	Calm.	0		—	3029	78	72	70	68	"	"	"	6	"

Position at 8 A. M. { Latitude by LLR. 45° 39' 37" N. Mag. Temp.
Longitude by Obs. 29° 15' 8" W. For. Aft.

Position at noon: { Latitude by observation 45° 31' 00" N. 75-74 72-71
Longitude by observation 29° 14' 20" W.
Latitude by D. R. 45° 37' 33" N.
Longitude by D. R. 29° 42' 00" W.

Course made good since preceding noon: S. 86° E.

Distance made good since preceding noon: 69 miles.

Distance by Log since preceding noon: 52.5 miles.

Current per hour: 20 miles, set S. 78° E. true.

Position at 8 P. M. { Latitude by LLR. 45° 39' 00" N.
Longitude by Obs. 29° 15' 30" W.

Variation of compass: from Chart 28° 45' W'ly.

Error of compass observed at 4:33 P.M. 18° 15' W'ly.

Deviation of compass on N. E. 10° 30' E'ly.

Water expended during the preceding 24 hours, 560 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 1960 "

Coal consumed during the preceding 24 hours, 1 tons, 895 lbs.

Coal remaining on hand at noon, 125 " 1260 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	0	0		S.E. x S.	Calm.	0			3030	81	74	71	70	bc.	cu.		2	S.
2	0	0		"		0			3030	82	74	71	71	"	"		2	"
3		5		S.S.W.	E.S.E.	1			3029	80	74	71	71	"	a-cu		8	"
4		5		N.N.E.		1			3029	79	73	71	71	"	"		8	"
5	0	0		"	Calm.	0			3028	77	71	69	71	"	"		8	"
6	0	0		"		0			3027	73	70	68	71	"	"		8	"
7	1	0		N.E. x N.	E.S.E.	1			3027	72	70	68	71	"	a-s.		8	"
8	1	0		N.E.		1			3026	71	69	68	70	"	"		5	"
9	1	0		"	S.E.	1		½	3027	70	68	68	70	"	"		5	"
10	1	3		N.E. x E.	"	1		½	3027	70	68	67	70	"	"		4	"
11	1	6		"	"	1		½	3026	70	68	67	70	"	"		4	"
Mid.	1	5		"	"	1		½	3025	70	68	67	70	"	"	S	4	"

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, August 3rd , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A. M.

Cloudy to fair. Pleasant weather. Light airs and breezes from N. E. by N. to N. E. by E. Moon rose at 1:40. Ship nearly steady. Course East (P.S.C.), but steering full and by on the port tack. Under topgallantsails, single reefed topsails, foresail and all fore and aft sail save flying jib. Distilling.

C. M. Fahs
Lieut., U. S. N.

4. to 8. A. M.

Cloudy, clearing somewhat at end of watch. Light airs from N. E. by E. to East and Calms. Barometer steady. At 4:40 shook reefs out of topsails and set royals and flying jib. Ship nearly steady. At 7:45 took in main topmast staysail, main trysail & spanker. At end of watch on the wind on port tack, with scant steerage way, under all sail save mainsail, main trysail, spanker and main topmast staysail.

C. H. Lee
Ensign, U. S. N.

8. A. M. to Meridian.

Clear and pleasant. Calms and light airs from E. N. E. Barometer steady. At 9:30 mustered at quarters, after which had Battalion drill. Ship steady. At 8:25 set main trysail and spanker. Hauled up main trysail for drill and set it after drill. About 11:20 set clock ahead 10 minutes. On the wind (port tack) with steerage way, under all sail save mainsail and main topmast staysail. Distilling. Punishments awarded by the Comdg Officer: A. Brittain (A.3.c), O. H. Martini (A.3.c) H. B. Walsh (A.3.c), late hammocks, to be called ½ hour before their "Watch" for one week.

W. J. Manion,
Ensign, U. S. N.

Meridian to 4. P. M.

Cloudy and pleasant. Calm. Under all sail except mainsail and main topmast staysail close hauled on port tack. At 12:40 took in head sails, foresail, trysail, and spanker. At 2:25 light airs came from E. S. E., hoisted jib and flying jib. At 3:00 hauled aboard foresail and wore ship, hauling out trysail and spanker. Calm at end of watch. Barometer steady. Ship steady. Inspected bags of apprentices

F. F. Leigh
Ensign, U. S. N.

4. to 6. P. M.

Fair to cloudy and calm. Barometer fell slightly. Took in spanker and trysail at 4:45. At 5:15 mustered at quarters, followed by setting up drills. No steerage way on. Ship under royals, topgallantsails, topsails, foresail, jib and flying jib.

Ray R. Ewe,
Ensign, U. S. N.

6. to 8. P. M.

Fair and pleasant. Light airs from E. S. E. Under all sail save fore and main topmast staysails, and mainsail. Course East (P.S.C.) but steering full and by. At 7:30 took in and furled royals and flying jib, and took single reef in topsails, then set topgallantsails over them. Ship steady. Distilling.

C. M. Fahs
Lieut, U. S. N.

8. P. M. to Midnight.

Clear and pleasant clouding up somewhat at the end of the watch. Light S. Ely airs. Barometer steady. At 9:50 set fore and main topmast staysails. Ship pitching slightly. At end of watch on the wind, on starboard tack, under topgallantsails, single reefed topsails, foresail, fore and main topmast staysails, jib, main trysail and spanker. Distilling.

C. H. Lee
Ensign, U. S. N.

Examined and found to be correct.

F. F. Leigh
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning Form.	CLOUDS. Amount, each.	State of the Sea.
A. M.																		
1	1	5	63.2	N.E. x E.	S.E.	1	P.	½	3024	69	67	66	70	bc.	cu.		3	&
2	1	0	—	"	"	1	1	½	3024	69	67	66	70	"	S-cu.		7	"
3	1	2	—	"	"	1	1	½	3024	69	67	66	70	bcu.	cu.		3	"
4	1	5	—	E.N.E.	S.E. x S.	1	1	½	3023	69	67	66	69	"	a-cu		8	"
5	1	5	63.5	E. x N.	"	1	1	½	3023	69	68	67	67	bc.	"	S.	7	"
6	2	2	64.2	East.	S. x W.	2	1	½	3024	75	69	68	67	"	"	"	6	"
7	2	7	66.3	"	"	2	1	½	3024	78	69	68	69	"	cu.	"	5	"
8	2	5	68.4	"	"	2	1	½	3024	75	70	69	69	"	"	"	4	"
9	2	4	70.8	"	"	2	1	½	3023	75	70	69	69	"	S-cu	"	7	"
10	2	7	72.4	"	"	2	1	½	3023	73	70	69	69	"	"	"	7	"
11	3	9	76.3	"	South.	3	2	¼	3023	73	70	68	69	"	"	"	7	"
Noon.	3	8	80.1	"	"	3	2	¼	3023	73	70	67	69	"	"	"	8	"

Position at 8 A. M. { Latitude by dlR. 45° 45' 46" N. / Longitude by Obs. 28° 48' 31" W.

Mag. Temp. For. Afl. 76-75 72-71

Position at noon: { Latitude by observation 45° 42' 48" N. / Longitude by observation 28° 32' 38" W. / Latitude by D. R. 45° 50' 32" N. / Longitude by D. R. 28° 36' 32" W.

Course made good since preceding noon: N. 62° E.

Distance made good since preceding noon: 25 miles.

Distance by Log since preceding noon: 35.9 miles.

Current per hour: 0.85 miles, set S. 18° E. true.

Position at 8 P. M. { Latitude by dlR. 45° 50' 45" N. / Longitude by dlR. 27° 57' 20" W.

Variation of compass: / Error of compass observed at } No observations / Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 5 35 lbs.

Coal remaining on hand at noon, 124 " 715 "

P. M.							P.											
1	3	9	84.0	East.	South	3	2°	¼	3023	73	70	67	69	bc.	S-cu		7	&
2	4	0	88.0	"	S.S.W.	3	2°	¼	3022	72	70	68	69	"	"		7	"
3	3	5	91.5	"	"	3	2°	¼	3021	72	70	68	69	"	"		8	"
4	3	7	95.2	"	"	3	2°		3021	72	70	68	69	"	a-s.		9	"
5	3	3	98.5	"	"	3	2°		3020	71	70	69	69	"	"		9	"
6	3	0	1.5	"	"	3	2°		3020	71	70	69	69	"	"		9	"
7	2	0	3.5	"	S.W. by S.	2	1°		3020	70	69	69	69	a-cgd	N.		10	"
8	1	5	3.7	"	"	1	1°		3019	70	68	69	69	"	"		10	"
9	3	0	6.7	"	S.S.W.	2-3	2°		3019	72	70	69	69	o-c-d.	"	S.W.	10	"
10	3	7	10.4	"	"	3	2°		3017	73	69	69	69	"	"	"	10	"
11	3	5	13.9	"	"	3	2°		3019	74	69	69	69	"	"	"	10	"
Mid.	4	5	18.4	"	"	3	2°		3017	74	69	69	69	or.	"	"	10	"

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Friday, August 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, heavy dew last half of watch. Bright starlight. Light airs from S.E. and S.E. by S. Barometer steady. Moon rose about 2:30. Ship steady, but pitching slightly at end of watch. Distilling. "Full and by" on stbd. tack under same sail as at end of last watch. W.J. Marion, Ensign, U.S.N.

4. to 8. P.M.

Clear and fine. Light airs to light breezes from S.E. by S. and S. by W. Close hauled on stbd. tack making E. by N. first hour. Last three hours on course East. Under jib, fore topmast staysail, forecsail, single reefed topsails, topgallant-sails, main topmast staysail, trysail and spanker. At 4:30 shook out reefs and set royals and flying jib. Ship steady. J.P. Baldwin, Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Light to gentle S. by W. to South breezes. Barometer steady. At 9:30 went to general quarters, all divisions reporting ready in 6 min as follows:- 1st, 3 min.; 2nd, 6 min.; 3rd, 3¼ min.; 4th, 2½ min.; 5th, 2½ min.; Navigator's 4½ min.; Bat. 2 minutes. Secured at ten, time 7 minutes. Comdg Officer assigned the following punishments:- L.E. Loomis, A.S.C., not reporting time while orderly and reporting wrong time when attention was called to it, 4 hrs. extra duty; C.L. Muller, H.L. Sherwood, T.P. Ballou, G.W. Weichelt, C.L. Beed, T.R. McLaughlin, R.H. Roots, F.A. Synkiewicz, and H.F. Burr, A.S.C., shirking, 8 hrs. extra duty each; W.S.W. Martin, A.S.C., having dirty clothes in his bag, 4 hours extra duty. Cleaned and disinfected bilges. At 10:45 stopped distilling as ships tanks were full, allowed fires to die out under boiler B, and lowered smoke stack. At end of watch on course East (P.S.C.) log 821, under all sail save mainsail. Ralph Earle, Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy and pleasant. Gentle breze from South to S.S.W. Course East (P.S.C.) under all sail save mainsail. At 1:30 set mainsail. Took in main trysail. Ship steady. Exchanged colors with a Norwegian ship, which passed us bound to the West'd. Tested magazine and shell-room flood-cocks and found them in good order. Exercised the apprentices of the watch on deck in running and standing rigging, and those of the watch below at knotting and splicing. C.W. Fahs, Lieut., U.S.N.

4. to 6. P.M.

Cloudy and pleasant. Gentle S.S.W. breeze. Barometer steady. At 5:15 went to fire quarters, all divisions reporting ready in 3 minutes, secured in 4 minutes. Two sails in sight during most of watch. Ship pitching slightly to old swell from N.E. At end of watch on course East (P.S.C.) under all sail save main trysail. [illegible], Ensign, U.S.N.

6. to 8. P.M.

Overcast and cloudy with passing showers and drizzling rain. Light breeze to light airs from S.W. by S. Barometer steady. Ship steady. At 7:30 called all hands and took in royals and flying jib, took a single reef in the topsails. At end of watch on course East (P.S.C.) under all sail save royals, flying jib, and main trysail, and with topsails single reefed. W.J. Marion, Ensign, U.S.N.

8. P.M. to Midnight.

Overcast. Began to rain at 9:45. Raining heavily last hour. Light to gentle breze from S.S.W. On course East under topgallantsails and single reefed topsails, courses, jib, fore & main topmast staysails and spanker. Took in spanker at 8:05. Ship heeled 2° to port and pitching slightly. J.P. Baldwin, Ensign, U.S.N. E.F. Leiper, Lieut. Navigator.

Examined and found to be correct.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	4	3	22.7	East.	N. N. W.	3	2° S		3017	72	67	67	68	ocp.	n.	n.	10	S.
2	5	1	27.8	"	"	4	2°		3016	72	67	67	68	oc.	"	"	10	"
3	5	2	33.0	"	North.	4	2°		3016	72	66	66	68	bc.	"	"	8	"
4	4	0	37.0	"	"	3	2°		3015	72	66	66	68	"	cu-n.	"	8	"
5	3	4	40.4	"	"	3	2°		3014	69	66	66	68	"	"	"	8	"
6	3	7	44.1	"	"	3	2°		3014	68	66	66	68	ocd.	n.	"	10	"
7	3	5	47.6	"	"	3	2°		3015	71	66	65	68	bc.	cu-n.	"	9	"
8	3	6	51.2	"	"	3	2°		3017	70	66	65	67	"	"	"	9	"
9	3	5	54.0	"	N. N. W.	3	2°	1/4	3016	70	67	64	68	"	s-cu.	"	7	"
10	3	3	57.3	"	"	3	2°	1/4	3017	70	68	65	68	"	cu.	"	5	"
11	2	9	59.6	"	"	2	2°		3017	73	69	66	68	"	"	"	3	"
Noon.	1	8	61.4	"	"	2	2°		3017	74	68	67	68	"	"	"	2	"

Position at 8 A. M. { Latitude by DR. 46° 6' 9" N. Mag. Temp.
Longitude by Obs. 26° 39' 13" W. For. Aft.

Position at noon: { Latitude by observation 46° 9' 16" N. 75-74 72-71
Longitude by observation 26° 23' 43" W.
Latitude by D. R. 46° 9' 48" N.
Longitude by D. R. 26° 39' 38" W.

Course made good since preceding noon: N. 74° E.

Distance made good since preceding noon: 93 miles.

Distance by Log since preceding noon: 89.2 miles.

Current per hour: 0.5 miles, set East true.

Position at 8 P. M. { Latitude by DR. 46° 15' 52" N.
Longitude by Obs. 25° 55' 54" W.

Variation of compass: from chart 28° 10' W'ly

Error of compass observed at 5:18 P.M. 17° 55' W'ly.

Deviation of compass on E. ½ N. 10° 15' E'ly

Water expended during the preceding 24 hours, 500 gallons.

Water " during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 124 " 265 "

P. M.																		
1	1	1	62.5	East.														
1	1	1	63.5	E. ½ N.	N. W.	2			3016	72	68	67	68	bc.	cu.		2	S.
2	2	4	66.1	"	"	2			3016	71	67	66	68	"	cu.	N.W.	4	"
3	2	6	68.4	"	"	2			3015	72	68	66	68	"	"	—	6	"
4	2	4	71.1	"	N. W. x W.	2			3015	71	68	67	69	"	"	—	5	"
5	2	8	73.6	"	"	2			3015	71	68	67	69	"	"	"	5	"
6	2	4	76.4	"	N. N. W.	2			3015	72	68	67	69	"	"	—	5	"
7	1	1	75.8	"	"	1			3015	72	68	67	69	"	"	"	7	"
8	1	0	76.4	"	"	1			3015	70	67	66	69	"	"	"	7	"
9	0	7	00.0	E. x S.	N. E. x N.	1			3016	69	66	66	69	"	"	"	7	"
10	1	0	00.0	"	"	1			3016	69	66	66	69	bcw.	"	"	6	"
11	1	0	00.0	E. S. E.	N. E.	1			3016	69	66	65	69	"	a.		3	"
Mid.	1	0	00.0	"	"	1			3016	69	66	66	69	"	"		2	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, August 5th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast to cloudy with light rain first hour. Gentle to moderate N.N.W by to North by breezes, having shifted from S.S.W to N.N.W at 12:10. Barometer slowly falling. Took in main topmast staysail at 12:15 and set it again at 1:00. On course East (P.S.C.) at end of watch, log 37, under topgallantsails, single reefed topsails, courses, jib and fore & main topmast staysails.

Ralph Earle,
Ensign, U. S. N.

4 to 8. A.M.

Overcast and cloudy. Slight spitting of rain 2nd hour. Gentle breeze from North. Course East (P.S.C.). At 5:30 shook reefs out of the topsails, and set the royals, and flying jib & spanker. Under all sail at end of watch save main trysail. Ship steady.

C. M. Fahs
Lieut. U.S.N.

8. A.M. to Meridian.

Cloudy to clear. Gentle to light N.N.W breeze. Barometer steady. By order of the Commander R.G. Berry (A.S.C.) was confined in solitary confinement on bread and water for 3 days. The Commander assigned the following punishments: C.L. Ampblette (A.S.C.) making back cloth fast while on mast head look out, 2 hrs extra duty; R.G. Berry (A.S.C.) 6 clap on gun deck when watch was on deck, 3 days solitary confinement on bread and water; W. Zachary (M.A.A.) & J. Collins (M.A.A.) disobedience of orders, refusing to fill water breaker when ordered by ward room steward. 1st hour extra duty. Course East (P.S.C.). At end of watch on course under all sail save main trysail. Aired bedding. Ship pitching slightly to N.E. swell. Set clock back 8 minutes.

W. F. Halsey
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light breezes from N.W. hauling last hour to N.W. by W. Barometer steady. At 12:30 changed course to E. ½ N. (P.S.C.). Hauled down main topmast staysail at 4:00. Piped down aired bedding at 3:00. Ship steady (pitching slightly). At end of watch on course E. ½ N. (P.S.C.) under all sail save main trysail and main topmast staysail.

W. F. Manion,
Ensign, U. S. N.

4 to 6. P.M.

Clear and pleasant. Light breezes from N.W by W. and N.N.W. On course E. ½ N. under all head sails, royals, topgallantsails, topsails, courses and spanker. At 5:15 mustered at quarters. At 5:30 took in mainsail and spanker. Ship pitching slightly in following swell. A sail sighted bearing S.S.E.

H. L. Edlin
Ensign, U. S. N.

6 to 8. P.M.

Cloudy and pleasant. Light N.N.W by airs. At 7:46 furled royals and stowed flying jib. At end of watch on course E. ½ N. (P.S.C.) log 74, under topgallantsails, topsails, forecail, jib, and fore topmast staysail.

Ralph Earle,
Ensign, U. S. N.

8. P.M. to Midnight.

Cloudy to fair and pleasant. Light airs from W.N.W to N.E. Calm at times. Ship nearly steady. Course E. ½ N. Under topgallantsails, topsails, fore topmast staysail, jib and forecail.

C. M. Fahs
Lieut, U. S. N.

Examined and found to be correct.

E. L. Lapsley
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as to it.	State of the Sea.
A. M.																		
1	0	0	No steerage way.		Calm.	0			30.15	70	67	67	68	bsm.	cu.		3	S.
2	0	0	"		S. E.	0-1			30.15	69	67	67	68	"	"		4	"
3	0	0	"		Calm.	0			30.14	70	67	67	68	bc.	a-cu	NW	8	"
4	0	0	"		East	0-1			30.15	70	67	67	68	"	"	"	8	"
5	0	3		N. ¼ W.	"	0-1			30.15	71	67	66	68	"	"	"	7	"
6	1	0	76.4	N. x E. ¼ E.	E. by S.	2			30.16	72	67	66	68	"	"		8	"
7	2	6	77.5	N.N.E. ¼ E.	"	2			30.15	72	76	68	68	"	"		8	"
8	2	6	80.0	"	"	2	P.		30.16	73	70	68	68	"	"		8	"
9	2	3	81.4	N.N.E.	"	2	1°	½	30.17	74	70	68	68	"	cu.		4	"
10	2	5	82.5	"	"	2	1°	½	30.18	74	70	68	68	"	"		3	"
11	2	3	83.8	N. N.E. ½ E.	E.S.E.	2		½	30.19	74	70	68	68	"	"	S.	3	"
Noon.	1	3	84.5	N.N.E.	"	1		½	30.19	72	70	68	68	"	a. cu.		4	"

Position at 8 A. M. { Latitude by dlR. 46° 22' 28" N. Mag. Temp.
Longitude by Obs. 25° 52' 20" W. For Aft 72-71

Position at noon: { Latitude by observation 46° 33' 21" N. 76-70
Longitude by observation 25° 52' 20" W.
Latitude by D. R. 46° 31' 36" N.
Longitude by D. R. 25° 55' 43" W.

Course made good since preceding noon: N. 42° E.

Distance made good since preceding noon: 33 miles.

Distance by Log since preceding noon: 36.7 miles.

Current per hour: 0.12 miles, set N. 54° E. true.

Position at 8 P. M. { Latitude by dlR. 46° 40' 54" N.
Longitude by Obs. 25° 55' 43" W.

Variation of compass: from chart 28° 20' W'ly.

Error of compass observed at 5:22 P.M. 16° 83' W'ly.

Deviation of compass on N. E. by E. ¼ E. 11° 47' E'ly.

Water expended during the preceding 24 hours, 43.0 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1950 "

Coal consumed during the preceding 24 hours, tons, 460 lbs.

Coal remaining on hand at noon, 128 " 2055 "

P. M.																		
1	0	5	84.5	N. E. x N.	E. S. E.	1		½	30.19	72	70	68	69	bc.	cu-su		4	S.
2		5	84.5	"	"	1		½	30.19	72	70	68	69	"	"		3	"
3	1	0	84.6	"	"	1		½	30.18	74	70	68	69	"	"		4	"
4	1	3	84.8	"	"	1		½	30.18	74	70	68	69	"	"		4	"
5	1	3	—	N. E. ½ E.	S. E. by S.	1		½	30.17	74	70	67	69	"	cu.		4	"
6	1	1	—	N. E. x E.	"	1		½	30.17	72	70	66	69	"	"		4	"
7	1	2	—	N.N.E.	S.S.E.	1		½	30.15	70	68	67	69	"	"	S.E.	4	"
8	1	0	—	"	"	1		½	30.15	69	68	69	69	"	"	"	4	"
9	1	0	—	N.E. x E. ¾ E.	"	1		½	30.15	69	68	67	69	"	"	"	5	"
10	1	3	—	"	"	1		½	30.15	70	68	67	69	"	"	"	6	"
11	2	0	85.0	E.N.E. ½ E.	"	2		½	30.15	70	68	67	69	"	"	"	6	"
Mid.	2	0	85.4	E. ¾ N.	S. by E.	2		½	30.14	70	67	66	68	"	"	"	6	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, August 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to cloudy. Calm with occasional very light airs from S.E. Barometer steady. Course E. ½ N. (P.S.C.). No steerage way. At 2:00 swung yards around bracing up by port braces. Ship pitching slightly to N.W. swell. At end of watch becalmed under topgallantsails, topsails, forecourse, fore topmast staysail and jib.

W. J. Manon
Ensign, U. S. N.

4. to 8. A.M.

Clear and pleasant. Calms and light airs from East, increasing to light breeze from E. by S. Barometer steady. At 5:53 put over patent log reading 76.4. At 5:50 set mainsail, at 5:56 royals and flying jib, and at 6:15 the spanker and main topmast staysail. Close hauled on stbd. tack at end of watch under all sail except main trysail. Ship steady, but pitching slightly at times.

W. J. Manon
Ensign, U. S. N.

8. A.M. to Meridian.

Clear and fine. Light airs to light breezes from E. by S. and E.S.E. Under all sail except main trysail, full and by on stbd. tack making N.N.E. and N.N.E. ½ E. Ship steady. Called all hands to muster at 9:30 and published Articles for the Government of the Navy. Held General Muster. Captain inspected ship. The Chaplain held divine service. Mercurial Barometer at end of watch 30.15.

W. C. Baldwin
Ensign, U. S. N.

Meridian to 4. P.M.

Clear and pleasant. Light E.S.E. by S. airs. Under all sail except trysail full and by on starboard tack, making Course N. E. by N. (P.S.C.) log 84.8 at end of watch.

Ralph Earle,
Ensign, U. S. N.

4. to 6. P.M.

Fair and pleasant. Light airs from S.E. by S. Smooth sea. Ship steady. Course E. ½ N. (P.S.C.), but stirring full and by. All sail set save main trysail. A steamer bound to the West'd passed on our port beam about 5 miles distant.

C. M. Fahs
Lieut, U. S. N.

6. to 8. P.M.

Fair and pleasant. Light S.S.E. airs. Barometer falling. Smooth sea with scarcely any motion on ship. Course E. ½ N. (P.S.C.) but steering full and by on stbd. tack. At 7:45 took in royals and flying jib. At end of watch full and by under all sail save royals, flying jib and main trysail, making about E.N.E. (P.S.C.).

W. J. Manon
Ensign, U. S. N.

8. P.M. to Midnight.

Clear and pleasant. Bright starlight. Light airs from S.S.E., increasing to light breeze from S. by E. Barometer steady. Close hauled on stbd. tack until 9:30, after which on course E. ½ N. (P.S.C.). Ship steady (pitching slightly at intervals). Under all sail except royals, flying jib and main trysail.

W. J. Manon
Ensign, U. S. N.

Examined and found to be correct.

F. F. Leigh.
Lieut-Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.							°											
1	2	7	87.1	E. ½ N.	S. by E.	2-3	1°	½	30.12	69	66	65	68	b.c.w.	cu.		4	8
2	2	9	90.0	"	"	2-3	1°	½	30.11	69	66	65	68	"	"		4	"
3	2	9	92.5	"	"	2-3	1°	½	30.10	69	66	65	68	"	"		5	"
4	2	8	94.4	"	"	2-3	1°	½	30.09	68	67	66	68	b.c.	a-cu	S.E.	6	"
5	4	0	98.4	E.N.E. ½ E.	S.S.E.	3	2°	½	30.08	68	67	67	68	"	"	"	5	"
6	4	8	3.2	E.N.E.	"	3	2°	½	30.08	69	67	66	68	"	"	"	4	"
7	5	0	8.2	E.N.E. ½ E.	"	4	3°	¼	30.08	72	67	66	68	"	"	"	4	"
8	5	2	13.4	E. ¾ N.	"	4	3°	¼	30.09	70	70	69	68	"	"	"	4	"
9	5	0	18.4	"	"	4	2°	¼	30.09	70	70	69	68	"	"	"	4	"
10	5	2	23.6	E. ½ N.	S. by E.	4	2°	¼	30.09	71	70	69	68	"	"	"	4	"
11	5	7	29.3	"	"	4	3°	¼	30.08	71	70	69	68	"	cu.	"	4	"
Noon.	5	4	34.7	"	South.	4	4°	¼	30.07	71	70	68	67	"	"	"	4	"

Position at 8 A. M. { Latitude by Alt. — 47° 2' 12" N. Mag. Temp.
Longitude by Obs. — 25° 0' 48" W. For. Aft.
47-74 71-70

Position at noon: { Latitude by observation — 47° 26' 46" N. 75-74
Longitude by observation — 24° 31' 12" W.
Latitude by D. R. — 47° 11' 57" N.
Longitude by D. R. — 24° 39' 32" W.

Course made good since preceding noon: N. 44° E.

Distance made good since preceding noon: 77 miles.

Distance by Log since preceding noon: 65.8 miles.

Current per hour: 0.65 miles, set N. 21° E. true.

Position at 8 P. M. { Latitude by Alt. — 47° 48' 28" N.
Longitude by Obs. — 23° 11' 00" W.

Variation of compass: from chart — 27° 55' NWly.

Error of compass observed at 4 P.M. — 19° 00' NWly

Deviation of compass on East — 8° 55' Ely

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 123 " 1605 "

P. M.							°											
1	6	2	40.9	E. ¼ N.	S. by E.	4	4°	½	30.05	71	70	68	67	b.c.	N. cu. cu.	S.E.	4	8
2	6	6	47.5	"	"	4	6°	½	30.05	71	69	67	67	"	"	"	4	"
3	6	8	54.3	"	"	5	6°	½	30.04	70	69	68	67	"	"	"	5	"
4	6	9	61.2	East.	"	5	7°	½	30.04	69	69	68	67	"	a-cu	W.	5	"
5	6	8	68.0	E. ¼ N.	"	5	7°	½	30.04	69	69	68	67	"	"	"	5	"
6	6	7	74.7	E. ½ N.	"	5	7°	½	30.03	69	69	68	67	"	"	"	5	"
7	5	6	80.0	E. ¼ N.	"	4	7°	½	30.01	68	67	66	67	"	"	—	6	"
8	5	7	86.0	"	"	4	7°	½	30.02	68	67	66	67	"	S. cu	—	7	"
9	5	0	91.0	E. ½ N.	"	5	5°	¼	30.02	73	68	68	67	"	a-cu	W.	9	"
10	5	2	96.2	E. ¾ N.	"	5	6°	¼	30.00	75	68	68	65	"	S. cu	S.W.	9	"
11	5	7	1.9	E.N.E. ¼ E.	S.S.E.	5	7°	¼	30.98	71	68	68	65	"	"	"	7	"
Mid.	5	2	7.1	E. ¼ N.	S. by E.	5	7°	¼	30.99	70	68	68	65	"	"	"	9	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, August 7th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright starlight. Light to gentle breeze from S. by E. Under all sail except royals, flying jib and trysail. Close hauled on stbd. tack, making course E. ½ N. Barometer falling. Ship pitching slightly.

4 to 8 A.M. J. L. Baldwin Ensign, U. S. N.

Clear and pleasant. Gentle to moderate S.S.E. by breezes. At 4:20 set royals and flying jib. Full and by on stbd. tack making E. N. E. to E. ¼ N; log 13.4, at end of watch, under all sail except trysail.

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian.

Fair and pleasant. Moderate breeze from S.S.W. to South. Ship steady. Course E. ½ N. (P.S.C.), but steering full and by. First hour. At 9:30 inspected at quarters and exercised the divisions at routine drills. The Commander awarded 40 hrs. extra duty to R. W. Hudson (App. 2 c) for not turning out when called with the idlers. All sail set save main trysail. Took in the flying jib and fore royal and set up the forestopgallant, flying jib & fore royal stays, and set up the preventer fore topgallant backstays. Then set fore royal and flying jib. Engaged in scraping bright wood work.

C. M. Fahs
Lieut., U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Moderate to stiff breeze from S. by E. Barometer falling slightly. Course E. by S. (P.S.C.) but steering full and by on stbd. tack, under all sail save main trysail. Exercised watch below at knotting and splicing. Smooth sea, ship about steady. Painting inside of boats and scraping bright wood work.

W. F. Low
Ensign, U. S. N.

4 to 6 P.M.

Fair and pleasant. Stiff breezes from S. by E. Barometer falling slowly. At 5:15 mustered at quarters and exercised at setting up. Finished painting inside of boats and scraping bright wood work. At 6:00 took in and furled royals and flying jib. Full and by on stbd. tack at end of watch under all sail except royals, flying jib, and main trysail.

W. F. Manon
Ensign, U. S. N.

6 to 8 P.M.

Cloudy and pleasant. Moderate breeze from S. by E. Full and by on stbd. tack, under all sail to topgallantsails except main trysail, making good E. ¼ N. At 7:30 called all hands and single reefed topsails setting topgallantsails over them. Ship heeled 7° to port and steady. Lost overboard lamp from port side light.

J. L. Baldwin
Ensign, U. S. N.

8 P.M. to Midnight.

Cloudy to fair. Stiff S. by E. to S.S.E. by breezes. Ship steady. Steering full and by on stbd. tack making E. N. E. ¼ E. to E. ¼ N. (P.S.C.). At end of watch under topgallantsails, single reefed topsails, courses, fore & main topmast stunsails, jib, and spanker, log 97.1.

Ralph Earle
Ensign, U. S. N.

Examined and found to be correct.

F. T. Leiper,
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport R.I. to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.							P.											
1	5	7	12.8	E. ¼ N.	S. x E.	5	7°	½	30.00	70	68	68	65	o.c.	S-cu.		10	S.
2	5	2	18.0	E. x N.	S.S.E.	5	6°	½	29.97	70	68	68	65	"	"		10	"
3	5	5	23.5	"	"	5	6°	½	29.96	69	67	67	65	b.c.	"		9	"
4	5	0	28.5	E.N.E. ½ E.	S.E. x S.	5	6°	½	29.95	69	67	67	65	"	"		8	"
5	7	1	35.6	N.E. x E. ¾ E.	"	6	7°	½	29.94	69	67	67	66	"	S-cu	S.E.	9	"
6	6	4	42.0	"	"	5	7°	½	29.95	69	67	67	66	"	"	"	9	"
7	5	5	47.5	"	"	5	5°	½	29.95	69	66	66	66	"	"	"	9	"
8	6	7	53.2	"	S.E.	4	5°	½	29.96	68	66	66	65	"	"	"	9	"
9	4	6	57.8	E.N.E. ¾ E.	S.E. x S.	4	5°	/	29.96	68	67	66	66	"	S-cu	"	9	"
10	5	2	63.0	E.N.E. ½ E.	"	4	6°	/	29.98	68	67	66	66	o.c.	"	"	10	"
11	5	2	68.2	E.N.E.	"	4	6°	/	29.99	69	67	66	66	o.c.m.	"	"	10	"
Noon.	3	8	72.0	"	"	4	6°	/	29.99	69	67	66	66	"	"	"	10	"

Position at 8 A. M. { Latitude by dR. 48°28'28" N. Mag. Comp.
Longitude by Obs. 21°47'18" W. Var. Aft. 76-75 76-69.

Position at noon: { Latitude by observation 48°53' 8" N.
Longitude by observation 21°25'18" W.
Latitude by D. R. 48°42'16" N.
Longitude by D. R. 21°46'12" W.

Course made good since preceding noon: N. 55° E.

Distance made good since preceding noon: 152 miles.

Distance by Log since preceding noon: 135.5 miles.

Current per hour: 0.7 miles, set N. 52 E. true.

Position at 8 P. M. { Latitude by dR. 49°16' 3" N.
Longitude by Obs. 20°35'40" W.

Variation of compass: from chart 27°30'00" W'ly

Error of compass observed at 6:12 P.M. 21° 5'00" W'ly

Deviation of compass on E.S.E. 6°25'00" E'ly.

Water expended during the preceding 24 hours, 3-00 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 128 " 1155 "

P. M.							P.											
1	4	3	76.3	N.E. x E. ¼ E.	S.E.	4	6°	/	29.97	69	67	66	66	o.c.m.	S-cu		10	S.
2	4	3	80.6	N.E. x E.	"	4	6°	/	29.97	69	67	66	66	"	"		10	"
3	4	4	85.0	N.E. ¾ E.	"	4	7°	/	29.97	69	67	66	66	"	"		10	"
4	4	4	89.4	N.E. ½ E.	"	4	7°	/	29.97	69	67	66	66	"	"		10	"
5	4	2	93.6	"	"	4	7°	/	29.97	69	67	66	66	"	"		10	"
6	4	0	97.6	N.E.	"	4	7°	/	29.99	69	67	66	66	"	"		10	"
7	6	7	4.3	E.S.E.	"	4			30.00	69	67	66	66	b.c.m.	"		8	"
8	6	8	11.1	"	"	4			30.00	67	67	66	65	"	"		8	"
9	7	0	18.1	"	"	3			30.01	71	66	66	65	"	"		8	"
10	6	5	24.6	"	E.S.E.	4			30.02	71	66	65	65	b.c.	a-cu		5	"
11	6	4	31.0	"	E. x S.	4			30.03	71	67	65	65	"	"		4	"
Mid.	6	2	37.2	"	"	4			30.03	69	67	65	65	"	S-cu		9	"

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, August 8th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Cloudy and cool. Stiff breeze from S. by E. to S.E.S. Ship steady. Course E. by S. (P.S.C.), but steering full and by. Under topgallantsails, single reefed topsails, courses, jib, fore and main topmast staysails and spanker.

C. M. Fahs
Lieut., U. S. N.

4 to 8 AM.

Overcast and pleasant. Fresh to moderate breeze from S.E. by S. to S.E. Barometer steady. At 4:15 shook reefs out of topsails and at 6:15 set royals and flying jib. Course E. by S (P.S.C.), but standing full and by on stbd. tack. American Line steamer passed to South'd standing to East'd. Bark in sight on stbd. beam, and sail in sight on stbd. bow until 6 o'clock. Ship pitching slightly. At end of watch full and by on stbd. tack under all sail save main trysail.

W. Mahon
Ensign, U. S. N.

8 AM. to Meridian.

Overcast, cloudy and misty. Moderate breezes from S.E. by S. Barometer rising slowly. At 9:30 mustered at quarters, after which the divisions were drilled as per routine. At 8.05 took in and furled royals, and hauled down and stowed flying jib. By order of the Comdg Officer, at 8:20 released from confinement and restored to duty R. G. Berry (U.S.C.) his term of confinement having expired. A steamer going to the West'd was sighted on the port bow at 10:35. Set clock ahead 14 minutes. Ship pitching slightly at times. Port watch painting their boats inside. At end of watch close hauled on stbd. tack, under all sail except royals, flying jib, and main trysail.

W. Mahon.
Ensign U. S. N.

Meridian to 4 P.M.

Overcast. Hazy around horizon. Moderate breeze from S.E. Full and by on stbd tack making N.E. by E. ½ E. to N.E. ½ E. Under all sail to topgallantsails except main trysail. At 1:00 set main trysail, and unbent mainsail. At 2:00 lighted fires under B, C, & D, boilers. Instructed boys of watch below in knotting and splicing. Hooked main topgallant yard rope and unrove and served topgallant lye, then re-rove it. Ship heeled 7° to port and steady. Sighted two sails, one bearing S.E. and one S.E., and a Westbound steamer passed to the North'd.

H. L. Baldwin Ensign, U. S. N.

4 to 6 P.M.

Overcast and hazy. Moderate S. & E. breeze. At 4:50 sent down royal yards. At 5:15 mustered at quarters, followed by setting up drill for all divisions. At 5:45 coupled up screw and at 5:55 went ahead slow on engine. At 5:55 took in and furled all sail. Up to 5:55 steering full and by on stbd tack making N.E. ½ E. to N.E., and at 6:00, log 97.6 changed course to E.S.E. (P.S.C.). Signalled name and B.Q.C. to steamer "Europe" westbound at 5:25.

Ralph Earle, Ensign, U. S. N.

6 to 8 P.M.

Cloudy and cool. Moderate S.E. breeze. Ship nearly steady. Steamed ahead full speed at 6:05 on course E.S.E. (P.S.C.). At 6:30 commenced distilling. Average steam 55.5. average revolutins 44.5.

C. M. Fahs
Lieut., U. S. N.

8 P.M. to Midnight.

Cloudy to fair. Cool. Damp. Gentle to moderate breeze from S.E. to E. by S. Barometer rising slowly. Course E.S.E. (P.S.C.) Under steam in three boilers. Average steam pressure 5.2, average revolutions 43. Passed two steamers West-bound and one sailing vessel head N.E. Ship rolling easily 3° to starboard and 4° to port.

W. Mahon
Ensign, U. S. N.

Examined and found to be correct.

E. L. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Newport, R.I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as at 12.	State of the Sea.
A. M.																		
1	6	8	44.0	E.S.E.	E. by S.	4			30.01	70	68	67	65	b.c.m.	cu.	E.	7	S.
2	6	3	50.3	"	"	3			30.01	70	68	67	65	"	"	"	9	"
3	6	0	56.3	"	"	3			30.00	70	68	67	65	b.c.p.	cu.n.	"	9	"
4	6	3	62.6	"	"	3			30.00	70	68	67	66	b.c.	a-cu	"	9	"
5	6	2	68.8	"	S. E.	3			30.03	75	68	67	66	"	"	"	9	"
6	6	5	75.3	"	"	3			30.08	74	68	67	66	"	"	"	8	"
7	6	7	82.0	"	"	3			30.07	74	68	67	66	"	"	S.E.	7	"
8	6	4	88.4	"	"	3			30.08	69	68	67	66	"	"	"	7	"
9	6	1	94.5	"	E. S. E.	3			30.09	69	68	67	66	"	c.s.	"	7	"
10	6	0	1.5	"	"	3			30.10	71	70	67	66	"	cu	"	5	"
11	5	0	6.5	"	"	4			30.11	69	72	69	66	"	a-cu	"	2	"
Noon.	4	4	10.9	"	"	4			30.12	71	72	69	66	"	"	—	1	"

Position at 8 A. M. { Latitude by D.R. 49° 13' 21" N. Mag. Temp
Longitude by Obs. 18° 28' 37" W. For. 76.
Position at noon: { Latitude by observation 49° 14' 00" N. 77-76 74-70
Longitude by observation 17° 53' 37" W.
Latitude by D. R. 49° 12' 14" N.
Longitude by D. R. 18° 15' 18" W.

Course made good since preceding noon: N. 81° E.

Distance made good since preceding noon: 139 miles.

Distance by Log since preceding noon: 137.3 miles.

Current per hour: 0.6 miles, set N. 83° E. true.

Position at 8 P. M. { Latitude by D.R. 49° 15' 00" N.
Longitude by Obs. 16° 23' 00" W.

Variation of compass: from chart 25° 20' 00" Wly

Error of compass observed at 4:10 P.M. 19° 6' 00" Wly

Deviation of compass on E. S. E. 6° 14' 00" Wly.

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 9 tons, 1965 lbs.

Coal remaining on hand at noon, 113 " 1430 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as at 12.	State of the Sea.
P. M.																		
1	3	2	17.0	E.S.E. ½ E.	E.S.E.	3			30.12	70	71	69	67	b.c.	cu.cu.	E.	2	L.
2	6	4	23.5	"	"	3			30.12	70	71	69	67	"	cu.n.	"	6?	"
3	6	2	29.7	"	"	3			30.13	70	71	69	67	"	"	"	5	"
4	3	7	33.4	"	"	3			30.14	70	71	69	67	"	"	"	6	"
5	5	3	38.7	"	"	4			30.14	70	71	68	67	b.c.p.	F.cu	"	6	S.
6	6	6	45.3	"	E by S.	4			30.14	69	69	68	67	b.c.	cu.	"	6	"
7	6	4	51.7	"	"	4			30.15	69	68	67	67	"	"	"	6	M.
8	6	7	55.5 58.4	"	"	4			30.16	68	68	67	66	"	"	"	6	"
9	6	2	64.6	"	E. by S.	3			30.18	68	67	66	64	"	"	"	6	"
10	5	8	70.4	"	"	3			30.18	68	67	66	66	"	"	"	5	"
11	5	4	75.8	"	"	4			30.19	68	67	66	65	b.c.p.	cu.n.	"	4	"
Mid.	5	0	80.8	"	"	4			30.19	68	67	66	65	b.c.	"	"	8	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, August 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and misty with light passing shower during third hour. Moderate and gentle breezes from E. by S. Barometer steady. At 1:00 sighted a steamer's light on stbd. bow; steamer passed to West'd. Long rolling sea on port bow. Ship rolling 7 times per minute, (greatest roll 8° to stbd and 8° to port) and pitching deeply at times. Under steam, using three boilers, on course E.S.E. (P.S.C.). Average steam pressure 52 lbs, average revolutions 44.

W. J. Marion
Ensign, U.S.N.

4. to 8. A.M.

Generally cloudy. Gentle breeze from S.E. Barometer rising. On course E.S.E., under steam alone. Steam on Boilers B, C, and D. Ship rolling and pitching slightly to swell on port bow. Maximum rolls 2° stbd, and 3° port. About 5 times a minute. A Westward bound steamer passed to the Northward. Average steam 54. Average revolutions 44.2.

J. R. Baldwin
Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Gentle to moderate E.S.E'ly breezes. Barometer rising. Ship rolling easily 4-5 times a minute 6° stbd. and 4° port to swell a point on port bow. At 9:00 sent down the topgallant yards. At 9:30 mustered at quarters and held routine divisional drills. At 11:00 set clock ahead 17 minutes. Under steam on course E.S.E. (P.S.C.), log 1019 at end of watch. Average steam 45.6, ave. revolutions 40.8

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and cool. Gentle breeze from E.S.E. Ship nearly steady. Under steam alone. At 12:30 changed course from E.S.E. (P.S.C.) to E.S.E. ½ E. (P.S.C.). At 1:00 called "Away all Boats, Armed and Equipped for distant Service". All boats ready in 5 ½ minutes. Secured in 1 ½ minutes. At 3:41 slowed to ½ speed and hauled in patent log 33.4, and commenced swinging ship. Steam 52; rev 43.3.

C. M. Fahs
Lieut., U.S.N.

4. to 6. P.M.

Cloudy and cool. Moderate breeze from E.S.E. and E. by S. Barometer steady. At 4:12 put over patent log and resumed course, starting ahead again full speed, pat. log reading 33.4. Average steam pressure 56 lbs. Average rev 42.3. Pitching slightly to sea on port bow. At 5:15 went to quarters for muster and exercised at setting up.

John Rice
Ensign, U.S.N.

6. to 8. P.M.

Fair and pleasant. Moderate breezes from E. by S. Barometer rising slowly. Ship rolling at intervals 4 times per minute, 5° to stbd. and 4° to port. Pitching to moderate sea ahead. On course E.S.E. ½ E. (P.S.C.) under steam; average steam pressure 56 lbs, average revolutions 46.2.

W. J. Marion
Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy. Clearing at intervals. Gentle to moderate breeze from East. Barometer rising. On course E.S.E. ½ E. under steam on Boilers B. C. & D. Ship pitching easily to head sea. Average steam pressure 53.6. Average rev 44.2

J. R. Baldwin
Ensign, U.S.N.

Examined and found to be correct.

P. F. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, observed.	State of the Sea.
A. M.																		
1	4	2	85.0	E.S.E. ½ E.	E. by S.	4	S		30 19	68	67	67	65	b.cg.	cu-n.	E.	7	m
2	4	1	89.1	"	East.	4	3°		30 18	69	68	67	65	o.c.	n.	"	7	"
3	4	1	93.2	"	"	4	3°		30 17	70	68	67	65	"	"	"	10	"
4	4	0	97.2	"	"	4	3°		30 17	71	68	66	66	b.c.	cu-n.	"	8	fr.
5	3	8	1.0	"	"	4	2°		30 17	68	68	66	66	"	"	"	8	"
6	3	5	4.5	"	"	5	2°		30 18	68	68	66	66	"	s-cu	"	8	"
7	3	5	8.0	"	"	5	2°		30 20	69	68	66	66	"	a-cu	"	8	"
8	3	2	11.2	"	"	5	2°		30 21	69	68	66	66	"	"	"	8	"
9	4	0	15.2	"	E. by S.	5	2°		30 23	70	68	66	66	"	"	"	8	"
10	3	8	19.0	"	"	5	2°		30 24	70	68	66	66	"	"	"	7	"
11	4	4	23.4	"	"	5	2°		30 24	71	69	66	66	"	"	"	7	m
Noon.	3	4	26.7	"	"	5	2°		30 25	72	70	67	66	"	"	"	7	"

Position at 8 A. M. { Latitude by DR. 49° 15' 54" N. Mag. Temp. For. Aft.
Longitude by Alt. 14° 56' 22" W. 76-75 70-69

Position at noon: { Latitude by observation 49° 17' 39" N.
Longitude by observation 14° 32' 29" W.
Latitude by D. R. 49° 16' 00" N.
Longitude by D. R. 14° 59' 37" W.

Course made good since preceding noon: N. 88° E.

Distance made good since preceding noon: 133.3 miles.

Distance by Log since preceding noon: 115.7 miles.

Current per hour: 0.75 miles, set N. 85° E. true.

Position at 8 P. M. { Latitude by DR. 49° 17' 39" N.
Longitude by Alt. 13° 24' 14" W.

Variation of compass: from Chart 23° 25' 00" Wly.

Error of compass observed at 5:46 P.M. 17° 45' 00" Wly.

Deviation of compass on E. S. E. ½ E. 5° 40' 00" E'ly.

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1550 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 12 tons, 570 lbs.

Coal remaining on hand at noon, 101 " 860 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, observed.	State of the Sea.
P. M.																		
1	3	6	30.3	E.S.E. ½ E.	E. by S.	5	S		3025	73	70	68	66	b.c.	a-cu	-	7	m
2	4	0	34.3	"	"	5	2°		3025	71	70	68	66	"	"	-	7	"
3	3	9	38.2	"	"	5			3026	70	70	68	66	"	a-cu Fractus		4	"
4	4	4	42.6	"	"	4			3025	70	69	67	66	b.cm	"	"	5	"
5	4	2	46.8	"	"	4			3025	69	68	67	66	"	"	"	5	"
6	4	6	51.2	"	"	4			3026	68	67	66	66	"	"	"	8	"
7	5	2	56.4	"	East.	4			3026	67	66	65	66	"	"	"	7	"
0.2	8	5	5	61.9	"	"	4			3028	67	66	65	66	"	"	"	7	"
5.9	9	5	5	66.6	"	"	4			3028	68	66	65	66	"	"	"	3	"
12.0	10	6	0	71.6	"	E. by N.	4			3028	68	67	66	66	"	"	"	3	"
17.7	11	5	5	76.1	"	"	4			3030	71	67	66	66	"	"	"	1	"
23.1	Mid.	5	0	80.1	"	"	4			3032	71	67	66	66	"	"	"	3	"

Port Log.

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, August 10th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast to cloudy. Moderate E. by S. by to East by breeze. Barometer fell slightly. Ship pitching slightly to head sea and rolling 6 times per minute, 4° stbd and 2° port. Under steam alone, on course E.S.E. ½ E. (P.S.C.) log 97.2 at end of watch. Average steam 48. Average revolutions 41.

Ralph Earle.
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and cool. Moderate to stiff breeze from East. Steaming course E.S.E. ½ E. (P.S.C.). Ship pitching moderately to a head sea. At 5:15 exchanged colors with and made our number to an English steamer bound East. Average steam 5.5, rev. 40.

C. M. Fahs
Lieut., U.S.N.

8 A.M. to Meridian.

Cloudy to fair. Cool. Hazy around horizon. Stiff breeze from E. by S. Moderate head seas. Ship pitching at times deeply and taking some spray over bow. Rolling about 5° each way. About 4 times per minute. Course E.S.E. ½ E. (P.S.C.). At 9:30 went to quarters and exercised as per routine. The Commander assigned the following punishments. J. Collins (M. att.) attacking pantry boy and causing him to break crockery in pantry, 5 days solitary confinement on bread and water. J. J. Boyan (A.3.C.), C. H. Amphlett (A.3.C.), asleep on gun deck during their watch on deck, 16 hrs. extra duty each. R. J. White (A.3.C.), J. C. Linde (A.3.C.) J. W. Kyle (A.3.C.), R. H. Calhoun (A.3.C.) V. Jedlicka (A.3.C.), oilskin clothes adrift, 4 hrs. extra duty each. In conformance with the above punishments J. Collins (M. att.) was confined. Av. steam pressure 53, rev. 42.4. Set clock ahead 13 minutes.

Wm. Allen Miller
Ensign, U.S.N.

Meridian to 4 P.M.

Generally fair, misty last hour. Stiff falling to moderate breezes from E. by S. Barometer steady. Ship pitching deeply at long intervals to moderate sea ahead. Ship rolling 6 times per minute, 6° to stbd and 6° to port. Drilled as per routine, 3rd drill period. Stopped distilling, having filled tanks with 3 000 gals. water. On course E.S.E. ½ E. (P.S.C.) under steam alone. Average revolutions, 41; average steam pressure, 51 lbs.

W. J. Manion,
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Moderate breeze from E. by S. On course E.S.E. ½ E. under steam alone, B.C. & L.L. Boilers. Mustered at quarters at 5:15 and exercised at setting up drill. Average steam 53, av. rev. 41.5.

H. H. Galvin
Ensign, U.S.N.

6 to 8 P.M.

Fair and hazy. Moderate E. by S. ly to East ly breezes. Barometer rising. Ship pitching easily to head sea. Under steam alone on course E.S.E. ½ E. (P.S.C.), log 61.9 at end of watch. Average steam 53, average rev. 45.8.

Ralph Earle.
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and cool. Moderate breeze from East to E. by N. Steaming on course E.S.E. ½ E. (P.S.C.). Ship pitching easily to head sea. Average steam 47, revolutions 41.4.

C. M. Fahs
Lieut, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Exec. & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Newport, R.I., to Plymouth England.

Pat. log	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
	A. M.																		
28.7	1	3	5	83.6	E. S. E. ½ E.	E. by S.	4			30.32	72	69	67	66	b.c.m.	N.cu	E.	7	S.
34.7	2	5	5	89.1	"	E. S. E.	4			30.32	72	69	66	66	"	"	"	9	"
42.6	3	5	5	94.6	"	E. by S.	4			30.31	71	68	66	66	"	"	"	7	"
49.4	4	5	1	99.7	"	"	3			30.30	71	67	66	66	"	"	"	5	"
55.0	5	4	0	3.7	"	"	3			30.30	71	67	66	66	"	"	"	5	"
62.0	6	5	6	9.3	"	"	3			30.30	71	67	66	66	b.c.	"	"	5	"
69.1	7	5	7	15.0	"	"	3			30.30	69	67	66	66	"	"	—	6	"
76.7	8	5	9	20.9	"	"	3			30.31	69	67	66	66	"	"	"	6	"
	9	6	8	83.5	"	"	3			30.33	70	69	67	66	"	"	"	2	"
	10	7	0	90.5	"	East.	4			30.34	70	70	68	66	b.c.m.	S.	—	1	"
	11	7	0	97.5	"	"	4			30.35	73	70	68	66	"	"	—	1	"
	Noon.	5	6	103.1	"	"	4			30.35	75	72	69	66	"	"	—	1	"

Mag. Temp. For. Aft. 76-74 71-69

Position at 8 A. M. { Latitude by D.R. 49° 17' 39" N.
Longitude by Obs. 11° 34' 45" W.

Position at noon: { Latitude by observation 49° 15' 11" N.
Longitude by observation 10° 51' 00" W.
Latitude by D. R. 49° 17' 39" N.
Longitude by D. R. 11° 2' 29" W.

Course made good since preceding noon: N. 88° E.

Distance made good since preceding noon: 145.3 miles.

Distance by Log since preceding noon: 138 miles.

Current per hour: .33 miles, set S. 72° E. true.

Position at 8 P. M. { Latitude by D.R. 49° 22' 38" N.
Longitude by Obs. 9° 28' 00" W.

Variation of compass: from chart 21° 15' Wly

Error of compass observed at 4:56 P. M. 14° 53' "

Deviation of compass on E. ½ S. 6° 22' Ely

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 350 "

Water remaining on hand fit for use at noon, 2550 "

Coal consumed during the preceding 24 hours, 11 tons, 410 lbs.

Coal remaining on hand at noon, 90 " 450 "

P. M.																			
1	4 ½	4	7.2	E. S. E. ½ E. E. ½ S.	East.	4			30.36	77	72	69	65	b.c.m.	S.		1	S.
2	7	2	16.8	"	"	3			30.37	77	73	69	65	"	Cu.		2	"
3	6	7	23.5	"	"	3			30.36	75	73	69	65	"	"		3	"
4	7	4	30.9	"	"	3			30.35	74	72	69	65	"	"		3	"
5	6	3	37.1	"	"	3			30.35	74	72	69	65	"	"		3	"
6	7	1	44.2	"	"	3			30.35	72	70	68	65	b.c.m.	None		0	"
7	6	8	51.0	"	E. by S.	4			30.35	69	69	67	65	b.c.m.	a-cu		4	"
8	7	0	58.0	"	E. S. E.	4			30.35	69	69	67	65	"	S.		1	"
9	6	6	64.6	"	E. by S.	4			30.35	69	68	67	65	"	"		1	"
10	7	6	72.2	"	East.	4			30.37	69	68	67	65	"	"		1	"
11	7	3	79.5	"	E. by N.	3			30.38	70	69	66	65	"	"		1	"
Mid.	7	1	86.6	"	"	3			30.38	70	67	66	65	b.c.	Cu.		1	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, August 11th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy to fair. Damp. Cool. Moderate to gentle breeze from E. by S. and E. S. E. Barometer steady first two hours, falling last two. Course E. S. E. ½ E. (P.S.C.). Ship rolling slightly and pitching easily to light sea ahead and on both bows. Max. roll 4° to Stbd. and 6° to port. About 8 rolls per minute. Average steam pressure 49, av. rev. 43.

Ensign, U. S. N.

4. to 8. A.M.

Fair and pleasant, hazy on the horizon. Gentle breeze from E. by S. Barometer steady. Ship rolling 5 times per minute (greatest roll 3° to Stbd. and 2° to port) and pitching easily to light sea ahead and a little on port bow. On course E. S. E. ½ E. (P.S.C.) under steam alone. Average steam pressure 50 lbs.; average revolutions 43.6.

W. J. Marion,
Ensign, U. S. N.

8. A.M. to Meridian.

Clear and pleasant. Hazy around horizon. Gentle to moderate breeze from E. by S. and East. On course E. S. E. ½ E. under steam alone. B. C. & D. Boilers. At 9:30 mustered at quarters and exercised as follows:- 1st Div., pistols and signals, 2nd Div., single sticks, 3rd Div., Small Arms, 4th & 5th Divs., Battery. Punishments awarded by the Captain:- L. A. Frank (A.3.C.), Shirking work in morning watch, 16 hrs. extra duty. M. J. Bartelme (A.3.C.), Failing to muster with morning watch, 4 hrs. extra duty. At 8:35 hauled in Stbd. patent log reading 23.9 and began to register port log. At 11:50 got sounding in 85 fathoms, fine grey sand. Set deck clock ahead 12 minutes. Average steam 52. Average rev. 45.8

Ensign, U. S. N.

Mercurial Barometer 30.31.

Meridian to 4. P.M.

Fair and hazy. Moderate to gentle East'ly breezes. Held routine 3rd period drills. Bent both bower chains. Took sounding at 2:00 in 80 fath., log 16.8, and at 4:00 in 79 fath., log 30.9. At 12:30 changed course to E. ½ S. (P.S.C.), log 7.0. At end of watch on course E. ½ S. (P.S.C.) log 30.9 under steam alone. Av. steam 49, av. revolutions 45.2. Cleaned and disinfected bilges. Tested flood cocks.

Ensign, U. S. N.

4. to 6. P.M.

Fair and pleasant. Gentle breeze from East. Steaming on course E. ½ S. (P.S.C.). At 5:02 went to Fire Quarters. All divisions ready in 2½ minutes. All secured in 1½ minutes. At 5:55 sounded with the Thompson machine in 60 fath., fine grey sand. Av. steam 53, revolutions 44.

Lieut., U. S. N.

6. to 8. P.M.

Clear and pleasant. Damp. Moderate breeze from E. by S. to E. S. E. Barometer steady. Course E. ½ S. (P.S.C.). At 7:55 took sounding with Thompson machine, 78 fath. water. Grey sand, black specks. Average steam pressure 55 lbs., rev. 46.5.

Ensign, U. S. N.

8. P.M. to Midnight.

Fair and cool. Moderate breezes from E. by S. and East, and gentle breezes from E. by N. Barometer rising first part, falling slightly last hour. Bright starlight. Moon set about 8:40. Ship pitching deeply at long intervals. Took soundings (with Thompson machine) as follows: about 10:00, 72 fathoms water, hard bottom; at 11:00, 63 fathoms, yellow sand with black specks; at midnight, 73 fathoms, hard bottom. On course E. ½ S. (P.S.C.) under steam alone. Average steam pressure 53.6 lbs., average revolutions 47.

W. J. Marion,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Lapsley,
Lieut. Navigator.

LOG of the UNITED STATES. Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	4	9	91.5	E. ½ S.	E. by N.	3			30 37	76	68	66	66	b.m.	Nme		0	S.
2	6	1	97.6	"	"	3			30 36	75	68	66	66	"	"		0	"
3	7	3	4.9	"	"	3			30 35	75	68	66	66	"	"		0	"
4	6	9	11.8	"	"	3			30 34	75	68	66	67	"	"		0	"
5	6	8	18.6	"	East.	4			30 34	73	68	66	67	"	"		0	"
6	6	9	25.5	"	"	4			30 34	73	68	66	68	"	"		0	"
7	6	0	31.5	"	"	4			30 35	73	70	67	68	"	"		0	"
8	6	9	38.4	"	"	4			30 36	75	70	68	68	"	"		0	"
9	6	0	44.4	"	E. by S.	4			30 37	74	70	68	68	b.c.	cu.	E.	4	"
10	5	8	50.2	"	"	5			30 37	74	70	68	68	"	"	"	5	"
11	4	9	55.1	"	E. S. E.	5			30 38	74	69	65	68	"	Scu	"	2	m.
Noon.	3	7	58.8	"	"	5			30 38	76	69	65	67	"	"	"	2	"

Position at 8 A. M. { Latitude by DR. 49°35'00" N. Mag. Temp.
Longitude by Obs. 7°42'00" W. For. Aft.

Position at noon: { Latitude by observation 49°41'18" N. 75-74 77-78
Longitude by observation 7°10'10" W.
Latitude by D. R. 49°37'48" N.
Longitude by D. R. 6°58'00" W.

Course made good since preceding noon: N. 80° E.

Distance made good since preceding noon: 147 miles.

Distance by Log since preceding noon: 155.8 miles.

Current per hour: 0.37 miles, set N. 66° E. true.

Position at 8 P. M. { Latitude by DR. 49°43'19" N.
Longitude by Obs. 6°10'00" W.

Variation of compass: from Chart 18°56' Wly.

Error of compass observed at 5:50 P. M. 13°40' Wly.

Deviation of compass on E. by S. 5°16' Ely

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, " "

Water remaining on hand fit for use at noon, 20550 "

Coal consumed during the preceding 24 hours, 12 tons, 570 lbs.

Coal remaining on hand at noon, 77 " 2120 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	2	2	61.0															
	2	4	63.4	E. by S.	E. by S.	5			30 37	76	70	66	67	b.c.	Scu		2	m.
2	5	5	69.2	"	"	5			30 37	73	69	66	67	"	"		2	"
3	5	0	74.2	"	"	5			30 36	73	69	66	67	"	"		5	"
4	5	1	79.3	"	"	5			30 34	73	69	66	67	"	"		5	"
5	4	0	83.3	"	"	5			30 32	72	69	66	67	"	"		5	"
6	5	2	88.5	"	"	5			30 31	71	68	66	67	"	"		4	"
7	5	3	93.8	"	"	5			30 30	68	68	65	67	"	"		2	"
8	5	2	99.0	"	"	5			30 31	70	67	65	67	"	"		2	"
9	2	4	101.6	E. S. E. ½ E.	"	4			30 33	69	67	65	67	"	"		2	"
10	6	6	10.6	"	"	4			30 34	78	67	65	67	b.	None		0	"
11	4	9	15.5	"	"	4			30 34	78	67	65	67	"	"		0	"
Mid.	4	7	21.0	E. by E.	"	4			30 34	78	67	65	67	"	"		0	"
	2	3	23.3	E. by S.	"	4			30 34	78	67	65	67	"	"		0	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, August 12th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and 4 A.M.

Clear and pleasant. Starlight. Gentle breeze from E. by N. On course E. ½ S. under steam. B. C. and L. Boilers. Got soundings at 2:00 in 86 fathoms, fine grey sand and at 4:00 in 70 fathoms, fine grey sand. Av. steam 51. Av. revolutions 43.7.

J. T. Baldwin
Ensign, U. S. N.

4 to 8 A.M.

Clear and pleasant. Moderate East'ly breezes. Barometer rose slightly. Took soundings at 6:00, log 25.5 in 73 fath. fine grey sand; and at 8:00 log 38.4 in 66 fath. fine grey sand. At end of watch on course E. ½ S. (P.S.C.), log 38.4, under steam alone. Av. steam 57. Av. revolutions 46.4.

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian.

Fair and pleasant. Moderate to stiff breeze from E. by S. to E.S.E. Ship pitching deeply at times to head sea. Took following soundings: at 8:45 in 63 fms. fine grey sand, brk. sh. and blk. specks; at 10:30 in 65 fms. with same bottom; and at noon in 61 fms., fine grey sand. A number of vessels in sight during first part of watch. Exchanged colors with the English steamer "Baron Huntley" which passed close astern of us near noon. The Commander awarded the following punishments: F. E. Rogers (W. S.) for gross neglect of a library book, restricted from use of library for three months; E. A. McCans (A. S. C.) for malicious mischief, punching holes in hammock cloths: and destroying government property, 5 days solitary confinement on bread and water, and he was so confined. At 11:00 set clock ahead 20 minutes. Steaming on course E. ½ S. (P.S.C.). Av. steam 52.3. Av. revolutions 43.

E. McTaks
Lieut, U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Stiff E. by S. breeze. Barometer falling. At 12:30 changed course to E. by S. (P.S.C.) pat. log reading 61. Lost sight of steamer on stbd. quarter. At 3:45 sighted Bishop Rock Lt. house, three points on port bow. At 2:00 took sounding in 61 fms of water, and at 4:00 took sounding in 50 fms, fine gray sand. Steaming on course E. by S. Average steam pressure 50 lbs., rev. 41.1. Ship pitching heavily at times to head sea.

William Bell
Ensign, U. S. N.

4 to 6 P.M.

Fair and pleasant. Stiff breezes from E. by S. Barometer falling slowly. Mustered at quarters at 5:15. Ship pitching deeply at long intervals to head sea. Sighted several steamers and sailing vessels. Took soundings as follows:- at 4:20, 50 fms, gray sand; at 6:00, 56 fms, gray and yellow sand. At 4:20 sighted St. Agnes light house 3 points on port bow. At 4:25 Bishop Rock light house was broad off port bow, p. d. 51.0, and at 6:05 abeam, p. d. 39.1. One Tanner and Bliss sounding tube was broken in taking a sounding. Under steam alone on course E. by S. (P.S.C.); average steam pressure 54 lbs., average revolutions 43.

6 to 8 P.M.

W. J. Manson
Ensign, U. S. N.

Cloudy and fair. Stiff breeze from E. by S. On course E. by S. under steam. B. C. & D. Boilers. Scilly Islands in sight on port beam. Two sails and a steamer sighted. At 7:50 got sounding in 50 fms., fine gray sand, yellow specks. Ship riding easily to a head sea. Av. steam 54, average rev. 42.7.

J. T. Baldwin
Ensign, U. S. N.

8 P.M. to Midnight.

Clear and pleasant. Moderate E. by S. & y breeze. Moon set at 8:50. At 8:30 changed course to E.S.E. ½ E. (P.S.C.), log 1.6. At 10:30 ran 0.6 on S.E. by E. to avoid a passing steamer. At 11:30 changed to E. by S. (P.S.C.), log 21.0. At 8:10 sighted Wolf Rock light & it was abeam at 10:15, distant 10.9 miles. At 9:50 lost sight of Scilly Islands' lights astern. At 11:20 sighted Lizard lights. Soundings:- at 8:50, log 10.6, 47 fms. gray sand; at 12:00 log 23.3, 46 fms. gray sand. At end of watch on course E. by S. (P.S.C.), log 23.3, under steam alone. Av. steam 55, av. rev 44.4.

Examined and found to be correct.

Ralph Earle, Ensign, U. S. N.

E. Z. Lapsley
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Newport, R. I., to Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
A. M.																		
1	4	4	27.7	E. by S.	East.	4			3034	75	66	65	66	b.	me.		8	S.
2	6	1	33.8	"	"	4			3034	75	66	65	66	"	"		8	"
3	6	3	40.1	"	E. by S.	4			3034	75	67	65	66	bcm.	cu.		3	"
4	6	3	46.7	E. N. E.	East.	4			3032	74	67	65	66	"	"		3	"
5	4	5	51.2	"	"	5			3032	73	67	65	66	"	"		3	"
6	6	5	57.7	"	"	5			3032	73	67	65	66	"	"		3	"
7	6	0	63.7	"	"	5			3032	73	67	65	66	"	"		3	"
8	6	6	70.3	"	"	5			3033	73	67	65	66	"	"		4	"
9	5	7	76.0	"	"	5			3033	73	67	65	66	"	"		5	"
10	6	0	82.0	"	"	5			3033	73	67	65	66	"	"		6	"
11	3	1	87.3	E. N. E. ½ E.	"	4			3033	72	67	65	66	"	"		4	"
Noon.	7	3	94.6	N. E. ½ E.	"	4			3034	69	67	66	66	"	cu.		4	"

Position at 8 A. M. { Latitude by DR. 49° 54′ 00″ N. Mag. Comp.
Longitude by Alt. 4° 45′ 20″ W. For. Aft.
76-75-72-71

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 135.7 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1450 "

Coal consumed during the preceding 24 hours, 12 tons, 670 lbs.

Coal remaining on hand at noon, 65 " 1550 "

P. M.																		
1			97.8	Various	East	4			3034	72	69	66		bc.	cu. N. cu.	E.	4	
2	At anchor			E. by N.	E. by S.	4-5			3034	72	70	66		"	cu.	-	6	
3				E. S. E.	E. S. E.	4			3034	73	70	66		"	"	-	6	
4				S. E. × E.	"	4			3034	74	71	67		"	"	-	7	
5				"	"	4			3034	74	71	67		"	"	-	7	
6				S. by E.	"	3			3034	76	69	66		"	"	"	7	
7				"	"	2			3034	74	68	65		"	cu. cu.	"	7	
8				South.	S. E.	2			3034	72	67	64		"	"	"	7	
9				S. by E.	E. S. E.	1			3033	70	65	64		"	"	-	3	
10				S. E. by E.	"	2			3032	68	65	64		"	"	-	3	
11				"	S. E. by E.	1			3032	68	64	63		"	"	-	2	
Mid.				E. N. E.	"	2			3031	67	64	63		"	"	-	2	

4-25

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, August 13th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Moderate breeze from East to E. by S. Course E. by S. (P.S.C.) under steam alone. Ship pitching to head sea. At 12:15 A.M. Lizard Lt. bore N. E. by E. (P.S.C.) off port bow, pat. log 24.3. At 3:35 A.M. Lizard Lt. bore N. by E. (P.S.C.) p. l. 44.0. At 3:35 changed course to E.N.E. (P.S.C.). Sounded as follows: at 2:00 in 45 fms. fine gray sand & broken shell; and at 4:00 in 45 fms. fine gray sand and broken shell. Two large steamers bound West passed us at a high rate of speed. Av. steam 58, rev. 43.5.

C. M. Parks
Lieut., U. S. N.

4 to 8 A.M.

Clear and hazy around horizon. Stiff breeze from East. Barometer steady. At 4:30 lost sight of Lizard Lights at sunrise. Under steam. Course E.N.E. (P.S.C.). At 5:00 took sounding in 44 fms. of water mixed with fine broken shell. Also took sounding at 8:00 in 41 fms. fine gray sand. Sighted several steamers standing in various directions. Also several sailing vessels. Average steam pressure 54, rev. 43.5.

C. Gardner
Ensign, U. S. N.

8 A.M. to Meridian.

Fair and misty. Stiff to moderate breezes from East. Barometer steady. At 9:30 mustered at quarters. Unbent and sent below the topgallant sails and main topmast staysail. About 10:00 took sounding, 37 fms. gray sand. Mended the furl of sails. Set clock ahead 18 minutes. At 10:20 sighted Eddystone Lt. house about a point on stbd. bow. At 11:40 changed course to N.E. ½ E. (P.S.C.) Under steam on various courses at end of watch, going into harbor of Plymouth. Av. rev. 44.4, av. steam pressure 56 lbs.

W. J. Manion
Ensign, U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Moderate to stiff breeze from East, E. by S, and E.S.E. Standing into an anchorage in Plymouth, England. Captain conning. At 12:20 slowed and picked up pilot, Chas Ridgeway. At 12:28 hauled in patent log reading 97.8. At 1:00 called all hands and at 1:13 came to anchor in 5½ fathoms with 30 fathoms port chain. Bearings of anchorage Drake's Island Flagstaff N 63° W. Ronna Cliff, Rear beacon S. 28½° E. Ships Head E.N.E. ½ E. Ships draft. For'd 13'5", midships 16'6", aft 16'8". Received visit from boarding officer of H.M.S. "Nile", Admiral Fairfax, and sent an officer to return it. Received pratique. Let fires die out in B. and C. Boilers and commenced distilling from 4.

J. R. Baldwin
Ensign, U. S. N.

4 to 8 P.M.

Fair and pleasant. Moderate to light breezes from E.S.E. and light breeze from S.E. Barometer steady. Set clock ahead 18 minutes.

W. J. Manion
Ensign, U. S. N.

8 P.M. to Midnight.

Clear and fine. Bright starlight. Light airs to light breezes from E.S.E. and S.E. by E.

J. R. Baldwin
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leyer,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Varying Forms.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	At anchor.			N. E. by E.	E. N. E.	2			30.30	67	64	64		bw.	fine	-	0	
2				"	"	2			30.30	67	64	64		"	"	-	0	
3				N. E.	"	3			30.30	67	64	64		"	"	-	0	
4				East.	"	3			30.28	66	64	64		bc.	a.cu	N.E.	8	
5				E. by S.	East.	3			30.27	65	64	64		"	"	"	5	
6				"	"	3			30.27	67	64	64		"	"	"	4	
7				S. E.	"	3			30.25	68	67	66		"	"	"	4	
8				E. by S.	"	3			30.27	69	67	66		"	"	-	4	
9				East.	"	3			30.27	69	67	66		"	"	"	4	
10				E. N. E.	E. N. E.	3			30.27	73	68	67		bcm.	"	"	4	
11				"	"	3			30.28	77	71	69		"	"	"	4	
Noon.				East.	"	3			30.26	75	72	69		"	"	"	3	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 75-74 71-70
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set . true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 2 tons, 245 lbs.

Coal remaining on hand at noon, 63 " 1305 "

P. M.																		
1	At anchor.			E. N. E.	East.	3			30.25	77	73	70		bcm.	a.		4	
2				"	"	3			30.25	77	73	70		"	"		4	
3				"	"	3			30.24	76	73	70		"	Fra.		4	
4				"	"	3			30.24	76	73	70		"	"		4	
5				E. by S.	"	2			30.24	81	74	72		"	a.cu.		5	
6				S. S. E.	Variable	1			30.25	82	74	72		"	"		7	
7				S. by E.	"	1			30.24	78	73	71		"	"		7	
8				S. S. E.	"	1			30.24	75	70	69		"	"		7	
9				S. E.	"	1			30.24	73	68	67		"	"		8	
10				"	"	1			30.24	73	67	67		bcl.	"		9	
11				"	Calm.	0			30.23	72	67	67		bckl.	"		7	
Mid.				N. E.	E. N. E.	1			30.22	70	67	67		bc.	cu.		3	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, August 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Clear and cool with heavy dew. Light to gentle E. N. E'ly breezes.

Robt R. Carse,
Ensign, U. S. N.

4. to 8. AM.

Clear and pleasant, with heavy dew during first half. Gentle breezes from East. Barometer steady. At 8:00 fired a national salute of 21 guns, English flag at the main, also fired a salute of 17 guns in honor of the English Admiral. Expended in Ordnance Sleps't 38 saluting charges, 6-Pdr.

W. H. Mamion,
Ensign, U. S. N.

8. AM. to Meridian.

Clear and fine. Gentle breeze from East and E. N. E. General field day. A shore battery returned our national salute with 21 guns and the "Nile" returned Admirals salute, American flag at fore, but owing to distance could not count number of guns. Received official visit from U. S. Consul, and on his departure fired a salute of 7 guns, American flag at fore. H. M. S. Gossamer left the harbor and returned at 11:30. Three English training brigs left the harbor. A Russian ship came in. Expended in Ordnance Sleps't 7 saluting charges 6-Pdr.

W. R. Baldwin
Ensign, U. S. N.

Meridian to 4. P. M.

Clear and pleasant. Gentle East by N. breezes. The Senior Officer called officially on the Admiral of the Port, the Rear Admiral, Superintendent of the Dockyard, and the Senior Officer of the H. M. S. Nile. Sent R. H. Calhoun, A. B. C., to the South Devon and East Cornwall Hospital for treatment. Engaged in blacking ship's side. H. M. S. Gossamer left the harbor.

Robt R. Carse,
Ensign, U. S. N.

4. to 8. P. M.

Clear and pleasant. Light breeze from East first hour, light variable airs last three hours. Mustered at quarters at 6:45 and issued clean hammocks. The three British training brigs came in, anchored and housed topgallant masts. An English cruiser came in.

W. R. Baldwin Ensign, U. S. N.

8. P. M. to Midnight.

Cloudy with thunder and lightning first part, clearing last hour. Light variable airs and calms. Moon set about 10:30.

Robt R. Carse,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leper
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, in tenths.	State of the Sea.
A. M.	at anchor.																	
1				N. E.	E. N. E.	1			30 19	68	66	65		b c	a-cu		4	
2				N. N. E.	"	1			30 18	68	65	65		b c	cu.		3	
3				"	"	1-2			30 16	66	65	65		"	"		3	
4				N. E.	East.	2			30 15	66	65	65		b c	a-cu		3	
5				East	"	1			30 15	69	65	65		"	"		5	
6				"	"	0-1			30 15	69	65	65		b c m.	"		5	
7				S. S. W.	"	0-1			30 16	70	68	67		"	"		6	
8				S. W.	W. S. W.	0-1			30 17	72	68	67		"	ci		5	
9				S. W. by S.	Calm.	0			30 17	72	71	70		"	a-cu		3	
10				"	S. W.	1			30 15	72	74	72		"	ci		2	
11				S. W.	"	2			30 16	71	73	71		"	"		6	
Noon.				"	"	3			30 16	72	73	71		"	"		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.
73-74 72-71

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 10 lbs.

Coal remaining on hand at noon, 62 " 1295 "

P. M.	At anchor.																	
1				S. W.	South	1			30 16	72	73	71		b c m.	cu.		7	
2				"	S. W.	2			30 17	72	73	71		"	"	S.	8	
3				"	"	2			30 17	72	73	71		"	"	—	6	
4				"	"	2			30 17	73	73	70		"	"	—	5	
5				"	W. S. W.	1			30 17	73	73	70		"	"	—	5	
6				"	"	2			30 17	73	73	70		"	"	—	5	
7				West.	"	1			30 18	73	73	70		"	"	—	6	
8				N. W.	"	1			30 19	73	73	70		"	"	—	6	
9				"	"	1			30 19	73	73	70		"	"	—	6	
10				N. E.	N. E.	1			30 20	73	68	69		"	"	"	6	
11				N. by W.	N. × W.	3			30 21	69	68	68		"	"	"	6	
Mid.				"	"	3			30 21	68	66	67		"	"	"	6	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, August 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Generally fair. Cool. Light airs to light breeze from E. N. E.

At 1:00 stopped distilling and let fires die out.

C. M. Fahs
Lieut, U. S. N.

4. to 8. A.M.

Clear and pleasant. Calm to light variable airs. The English cruiser proved to be H. M. S. Melampus. Received in Pay Dept't for issue 161 lbs. fresh bread, 201¼ lbs. each of meat and vegetables.

8. A.M. to Meridian.

H. T. Baldwin Ensign, U. S. N.

Fair and pleasant. Calms and light S. W. by W. airs and breezes. At 9:30 mustered at quarters, no absentees. Held routine divisional drills. The Comdg Officers of the British training brigs "Nautilus", "Liberty" and "Pilot" called officially on the Comdg Officer. The Comdg Officer of H. M. S. "Nile" returned the call of the Comdg Officer. The Comdg Officer called officially on the Comdg Officer of H. M. S. "Melampus". The Comdg Officer assigned the following punishments:- P. J. Clowry, A. S. C., neglect of duty as messenger, loafing on gun deck after delivering message, 16 hrs. extra duty; L. E. Loomis, A. S. C., insolent deportment to a petty officer, 16 hrs. extra duty; V. Jedlicka, A. S. C., lowering boat colors overboard and lying, 3 days solitary confinement and he was so confined; T. Lloyer, B. F. Snyder, and W. S. Martin (having also been doing so in his presence) A. S. C., stealing, 16 hrs extra duty. By order of Comdg Officer released J. Collins M. At., from confinement, his term having expired. Received from Bill of Exchange this date, five hundred pounds in sovereigns, four hundred pounds in ½ sovereigns, and ninety eight pounds, fifteen shillings in shillings, total nine hundred and ninety eight pounds and fifteen shillings, or four thousand, eight hundred and sixty dollars and forty two cents. The flag and staff of 2nd cutter was lost overboard through carelessness by V. Jedlicka, A. S. C. H. M. S. "Thistle" left harbor and held target-practice outside. English training squadron left harbor.

Ralph Earle
Ensign, U. S. N.

Meridian to 4. P.M.

Cloudy and pleasant. Light airs & breezes from South to S. W. The following official calls were paid to the Comdr:- Mr. Lt. G. E. Beale-Brown, H. M. 9th Lancers, aid to the General Comdg the Forces on Shore & Military Governor of Plymouth; Captain A. T. Grenfell, R. N. of the R. N. Barracks; and a Comdr. called returning the call of the Commander upon Admiral Jackson, R. N., comdg the Naval Dock Yard here. The Commander called officially on the U. S. Consul. At 2:45 an English cruiser put to sea. At 3:00 H. M. S. "Thistle" came in and anchored. At 3:45 the English Battleship "Benbow" and a cruiser came in. Held survey on articles in Ordnance, Lieut. C. M. Fahs, senior member of the Board of Survey. Lt. McKeown (Q. M. I. C.) went on eight days leave of absence.

C. M. Fahs
Lieut. U. S. N.

4. to 8. P. M.

Fair to cloudy and pleasant. Light W. S. W. by W. airs and breezes. English training squadron returned and anchored. C. F. Portet (C. M. A.), and J. Nevis (B. M. S. C.) received a good conduct badge each, E. W. Whitehead (S. A.), an appointment as Gun Capt., Class C.

Ralph Earle
Ensign, U. S. N.

8. P.M. to Midnight.

Fair and cool. Light variable airs first part. Gentle breeze from N. by W. latter part.

C. M. Fahs
Lieut, U. S. N.

Examined and found to be correct.

E. F. Larkin,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount. scale viii.	State of the Sea.
A. M.	At anchor.																	
1				North	North.	2			3021	67	65	65		b.s.w.	S.		2	
2				"	"	3			3021	67	65	65		"	"		2	
3				"	"	3			3021	66	65	65		b.s.w.	fine		0	
4				"	"	3			3020	66	65	65		"	"		0	
5				N. by W.	N.W. by N.	2			3023	69	64	64		b.s.w.	a.s.		2	
6				"	"	2			3025	69	64	64		"	"		3	
7				"	"	2			3025	69	64	64		b.s.	a.s.w.		3	
8				N.N.W.	North.	1			3031	77	67	65		"	a.		1	
9				North.	"	1			3033	80	70	67		"	"		1	
10				N.E.	"	1			3035	79	71	67		"	S.		1	
11				"	"	1			3035	79	72	67		"	"		3	
Noon.				"	"	1			3035	79	72	67		"	"		3	
				"	"	1												

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 76-75° 72-71
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 55-0 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 62 " 845 "

P. M.	At anchor																	
1				N.N.W.	N.N.W.	2-3			3037	82	74	70		b.s.	N.-cu. N.W.		1	
2				"	"	2			3037	81	73	69		"	a.	-	1	
3				"	"	2			3038	84	73	68		"	"	-	1	
4				N. by W.	N. by W.	3			3037	86	72	68		"	"	-	1	
5				"	"	3			3037	74	70	67		"	"	-	1	
6				N.N.W.	"	3			3036	71	69	60		"	a.s.	-	2	
7				"	"	2			3036	70	65	59		"	"	-	2	
8				"	"	2			3036	68	64	63		"	"	-	2	
9				N.W. by W.	N.W.	1			3037	67	63	63		"	a.	-	3	
10				W. by S.	N.N.W.	2			3037	67	62	62		"	"	-	3	
11				W.S.W.	"	0-2			3037	67	62	62		"	"	-	3	
Mid.				N.E. by E	"	0-2			3037	66	61	61		"	"	-	2	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, August 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Hazy. Light to gentle breeze from North. Barometer steady.

Otho Shaw
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light breezes from N.W. by N with light North'ly airs last hour. Received in Pay Dept: 161 lbs of fresh bread and 201¼ lbs. each of fresh meat and vegetables.

Ralph Earle
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light airs from North. At 9:30 inspected Quarters. Served out monthly money to the boys. At 5:20 the cruiser "Melampus" and the gunboat "Thistle" put to sea. The training brigs "Pilot" & "Liberty" left the harbor at 8:45, and the brig "Nautilus" at 11:15. A Board of Survey, on articles in Equipment, Lieut. E. F. Leiper, Senior Member, met on board at 10:30.

C. M. Fahs
Lieut, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light to gentle breeze from N.N.W. Barometer steady. Sent liberty party ashore at 1:00 o'clock. British Battleship came into port. Also torpedo gunboat "Sharp Shooter". Training brigs stood in into harbor at 4:00. Overhauled wheel ropes.

Otho Shaw
Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Gentle to light breeze from N. by W. The English Battleship "Colossus" came in and went up to Devonport. The Commander called officially on the Com'dg Officers of the training brigs "Nautilus", "Pilot," and "Liberty."

C. M. Fahs
Lieut, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Light variable airs and calms. Barometer steady. Moon set at midnight.

Otho Shaw
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as to 8.	State of the Sea.
A. M.	At anchor.																	
1				N. W. by N.	N. W.	2-3			30.34	65	63	62		bc.	cu.	–	1	
2				"	"	2-3			30.33	65	63	62		"	"	–	1	
3				N. by W.	"	2			30.33	65	63	62		"	"	–	1	
4				"	"	0-1			30.34	66	63	62		"	cu-cu	–	3	
5				"	Calm.	0			30.34	67	63	63		"	"	–	3	
6				"	"	0			30.36	68	64	64		"	cu-cu	N.	7	
7				N. W.	N. W.	1			30.37	69	66	65		"	"	"	7	
8				N. W. by N.	"	2			30.39	71	67	66		"	cu.	"	6	
9				N. by W.	N. by W.	3			30.40	69	68	66		o.o.	cu-cu	"	8	
10				West.	"	2			30.41	72	68	65		"	cu.	"	8	
11				W. N. W.	"	12			30.41	73	69	66		bc.	"	"	6	
Noon.				N. W. x N.	"	3			30.42	74	71	66		"	"	"	4	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 74-70 71-70
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 1 tons, 160 lbs.

Coal remaining on hand at noon, 61 " 685 "

P. M.	At anchor.																	
1				N. W.	North.	2			30.41	76	73	67		bc.	cu.	–	3	
2				"	"	2			30.41	76	73	67		"	"	–	2	
3				"	"	2			30.41	76	72	67		"	"	–	2	
4				N. N. W.	N. N. W.	3			30.42	77	73	67		"	"	–	2	
5				N. by W.	N. by W.	3			30.42	78	73	69		"	Fr-cu	N.	1	
6				"	"	2			30.42	77	73	69		"	"	"	2	
7				"	"	2			30.42	74	69	66		"	cu.	–	2	
8				N. N. W.	N. N. W.	2			30.43	74	67	65		"	"	–	4	
9				W. S. W.	N. W.	1			30.43	69	67	65		"	Fr-cu	–	3	
10				"	"	1			30.43	67	67	64		bcw	"	–	2	
11				"	Calm	0			30.42	66	63	63		"	"	–	2	
Mid.				S. W.	N. N. W.	1			30.42	65	68	63		"	"	–	2	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, August 17th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light breeze increasing at times to gentle breezes from N.W., and last hour calm, to light airs from N.W. Barometer steady.

W. J. Manion
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Calm first half, light airs and breezes from N.W. latter half. Received in Pay dept. for crew, fresh provisions as follows:- 161 lbs bread, and 20 1/4 lbs each of meat and vegetables. At 8:00 loosed sail.

C. McFaks
Lieut., U.S.N.

8 A.M. to Meridian.

Fair to cloudy and pleasant. Light airs to gentle breeze from N. by W. Barometer rising slowly. At 9:30 mustered at quarters after which sent party of boys to visit dockyard. English training brigs left harbor as usual. English Battleship Collingwood came in & anchored inside breakwater. J. J. Dunlan (C.B.) and T. Ahearn (C.P.) absent over leave. By order of the Commander the following punishments were assigned: M. Moran (B.M. 2.C.), A. Kelly (Cox.), & J. Christensen (Sea), returning from liberty drunk and unfit for duty, 2nd Class. By order of the Commander, C. C. McCans (A.S.C.) was released from confinement, his term having expired. Made preparations for coaling ship.

W. J. Manion
Ensign, U.S.N.

Meridian to 4. P.M.

Fair and pleasant. Light breezes from North, and gentle breeze last hour from N.N.W. Barometer steady. At 1:00 furled sail. Sent liberty party ashore at 1:00; two coal lighters came alongside, proceeded to take coal. Received on board 75 tons of Coal from them at end of watch. At 1:50 the Comdg Officer left the ship and called officially on the Comdg Officer of H.M.S. "Collingwood," and returned on board at 2:27. Sent a party of Apprentices in charge of Officer to see men of war in and near the docks at 1:45, they returned about 3:00. At 2:30 H.M.S. "Sharpshooter" left the harbor and returned at 4:00. Training brigs standing into harbor at end of watch.

W. J. Manion
Ensign, U.S.N.

4 to 8. P.M.

Fair and pleasant. Light breeze from N. by W. and N.N.W. Barometer rising slowly. Finished coaling ship and lighters shoved off, received in all 96 tons of coal. A. Waltzer (A.S.C.) fell over board from the launch and was unable to swim. T. Jeffries (C.B.M.) and L.A. Frank (A.S.C.) jumped after him and picked him up. T. Ahearn (C.P.) returned from liberty 12 hrs. overtime.

W. J. Manion
Ensign, U.S.N.

8. P.M. to Midnight.

Fair and pleasant. Bright moonlight. Light airs from N.W., calm, and light airs from N.N.W. Barometer steady. About 8:05 H.M.S. "Colossus" left the harbor; hoisted our colors and hauled them down after she had passed us.

W. J. Manion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.	At anchor.																	
1				S. W. by S.	Calm.	0			30 40	64	63	63		bew.	a.		2	
2				"	"	0			30 39	64	63	63		"	a-cu		3	
3				S. S. W.	"	0			30 39	65	62	62		"	"		4	
4				S. W. x W.	"	0			30 39	65	62	62		"	cu.		3	
5				N. N. E.	"	0			30 40	65	62	62		bcm.	"		3	
6				North	"	0			30 40	66	62	61		"	"		3	
7				"	"	0			30 42	69	64	62		"	"		4	
8				"	"	0			30 44	73	68	65		"	"		3	
9				N. N. W.	N. N. W.	1			30 46	79	69	67		bc.	cu.	NW.	5	
10				N. W.	"	2			30 47	80	68	65		"	F-cu	"	4	
11				West.	"	3			30 46	75	70	67		"	"	"	3	
Noon.				"	"	3			30 45	73	74	69		"	"	"	4	

Position at 8 A. M. { Latitude by ° ' " Mag. Compr.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 75-74 70-69
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 6 00 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 950 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 156 " 2025 "

P. M.																		
1				W. N. W.	N. N. W.	2-3			30 44	77	74	69		bc.	a-cu		4	
2				N. W. x W.	"	2-3			30 44	78	74	69		"	"		4	
3				N. W. x N.	"	2-3			30 44	78	76	69		"	"		3	
4				N. W.	"	2			30 44	77	76	70		"	"		3	
5				North.	"	2			30 45	79	74	68		"	"		2	
6				"	"	2			30 45	79	74	67		"	"		2	
7				"	North	2			30 45	75	70	67		"	"		2	
8				"	"	2			30 46	72	67	65		"	"		4	
9				N. by W.	"	1-2			30 46	71	66	65		"	"		2	
10				"	"	1-2			30 45	69	66	65		bew.	more		0	
11				N. W. x W.	"	1-2			30 44	64	64	63		"	"		0	
Mid.				S. W. x W.	Calm.	0			30 43	64	63	63		"	ci		1	

under the command of Commander Frank Courtis , U. S. Navy,

Friday, August 18th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calm. A heavy dew falling.

Moon - set at 1:15.

F. R. Baldwin Ensign, U. S. N.

4 to 8. A.M.

Clear and pleasant. Calm. Barometer rising. Cleaning ship. By order of the Commander A. E. Browne (Mach. I.C.) was placed in single irons to await action for attempting to smuggle liquor on board ship. Received in Pay Dept'. following fresh provisions for issue to crew:- 108 lbs of bread and 201½ lbs each of beef and vegetables.

Ensign, U. S. N.

8. A.M. to Meridian

Clear and pleasant. Light airs increasing to gentle breezes from N. N. W. Barometer rising first part, then falling rest of watch. Received clean hammocks from Melbay Laundry. By order of the Comdg Officer at 9:00 released from confinement and restored to duty W. Jedlicka (A. S. C.), his term of confinement having expired. At 9:45 the Comdg Officer of the "Collingwood" returned the call of the Comdg Officer of this vessel. At 11:55 started fires under boiler A for distilling purposes. Cleaned & disinfected bilges.

W. H. Lamon

Ensign, U. S. N.

Meridian to 4 P.M.

Clear and warm. Light to gentle breeze from N. N. W. The Ward Room officers of the Training Brigs, Pilot, Nautilus, and Liberty and the Aide-de Camp to the Commander-in-Chief of the Dock Yard called officially on the officers. Sent liberty party of boys ashore at 1:15. A reward of $10 was offered the Police Authorities of Plymouth for the apprehension and delivery on board of J. J. Quinlan (F. I. C.) Tested magazine flood cocks and drains & found them in good condition.

F. R. Baldwin Ensign, U. S. N.

4 to 8. P.M.

Clear and pleasant. Light breezes from N. N. W. and North. Barometer steady. Started distilled water forward into tanks at 4:50.

W. H. Lamon

Ensign, U. S. N.

8. P.M. to Midnight.

Clear and fine. Bright moonlight. Light airs to light breezes from North. Barometer falling slowly.

F. R. Baldwin Ensign, U. S. N.

Examined and found to be correct.

F. F. Lesper.

Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, reduced.	State of the Sea.
A. M.																		
1				S.W.	N.N.E.	1			30 43	64	63	63		b.w.	cu.		2	
2				"	"	1			30 43	64	63	63		"	"		2	
3				W.N.W.	"	2			30 41	63	62	62		b.	none		0	
4				N.W.	North.	2			30 41	63	62	62		"	"		0	
5				"	"	1			30 41	64	62	62		b.m.	S.		1	
6				North	"	1			30 41	66	62	62		"	"		1	
7				"	"	0-1			30 43	71	64	63		b.f.	—		0	
8				"	"	0-1			30 45	74	64	63		"	—		0	
9				N.W. x N.	S.W.	1			30 46	76	66	65		b.m.	cu.		2	
10				"	"	1			30 47	77	66	65		"	"		2	
11				S.W.	S.S.W.	1			30 47	77	71	69		"	"		2	
Noon.				W.S.W.	S.W.	2			30 47	78	72	69		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Afr.

Position at noon: { Latitude by observation ° ′ ″ 76-75 77-76
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1150 "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 155 " 665 "

P. M.																		
1				S.W. x W.	W.S.W.	2			30 45	74	70	66		b.c.	fr. cu.	—	2	
2				"	"	3			30 44	74	69	66		"	cu.	S.W.	2	
3				W.S.W.	"	3			30 43	72	71	68		"	"	"	1	
4				"	"	3			30 41	74	75	70		"	"	"	1	
5				West	"	2-3			30 42	74	75	70		"	"	"	3	
6				N.W.	West.	2			30 42	74	73	69		"	"	"	2	
7				N. x W.	"	1-2			30 42	73	72	69		"	cu.	"	1	
8				North	N. x W.	1-2			30 42	72	72	67		"	"	—	1	
9				"	"	1			30 42	72	68	66		b.m.	none	—	0	
10				"	"	1-2			30 43	71	67	65		"	"	—	0	
11				N. x W.	"	1			30 42	68	65	64		b.w.	"	—	0	
Mid.				S.W.	"	1			30 42	67	65	64		"	"	—	0	

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, August 19th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant: Light airs and breezes from N.N.E. to North. Moon set at 2:33.

Ralph Earle,
Ensign, U. S. N.

4 to 8 A.M.

Clear and pleasant: Calms and light airs from North. Barometer rising. Received in the Dept. of Supplies and Accounts the following fresh provisions: 108 lbs bread, 201½ lbs meat and 201½ lbs vegetables. At 7:00 J.J. Dunlan (F.1.C.) returned on board two days over liberty. Swayed aloft and crossed top-gallant yards at 8:00.

W.J. Manion,
Ensign, U. S. N.

8. A.M. to Meridian.

Clear and fine. Light airs to light breezes from S.W. and W.S.W. Mustered at quarters at 9:30, no absentees. U.S.S. Thistle left the harbor at 9:30. Punishments awarded by the Captain. A.L. Browne (Mch.1C) Returning from liberty under the influence of liquor, unable to perform his duty and smuggling liquor, reduced to 4th Class. L.B. Loomis (A.3.C) was placed in solitary confinement for 3 days on bread and water for using filthy language at mess table. J.J. Dunlan (F.1.C.) 2 days over leave, reduced to 4th Class. Aired bedding. Received in Construction Dept. 448 lbs white lead, 220 lbs white zinc, 7 lbs copper boat nails, 5 gals spar varnish, 6 doz. lag screws, 5 gals Copal varnish. Loaded 75 6-Pdr. saluting charges. M.J. Barletmo (A.3.C) and J.J. Hamlin (A.3.C) Returning from liberty light, reduced to 4th Class.

H.T. Baldwin
Ensign, U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Light to gentle W.S.W'ly breezes.

Ralph Earle
Ensign, U. S. N.

4 to 8 P.M.

Clear and fine. Light to gentle breezes from W.S.W. and West.

H.T. Baldwin
Ensign, U. S. N.

8. P.M. to Midnight.

Clear and pleasant. Light N. by W'ly airs to breezes. Bright moonlight. F.W. Hopkins, Sea., returned from leave.

Ralph Earle
Ensign, U. S. N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex. 3rd. **Rate,**

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.				At anchor.														
1				S. W. x S.	N. x W.	1			30.41	66	63	62		bcw.	cu.		1	
2				"	"	0-1			30.41	66	62	62		bw.	none		0	
3				W. x S.	"	0-1			30.39	64	62	62		"	"		0	
4				West	"	0-1			30.38	63	62	62		l.c.	cu.		1	
5				W. x N.	"	0-1			30.37	62	62	61		"	"		1	
6				North	North	0-1			30.38	67	62	61		"	"		1	
7				"	"	0-1			30.39	70	62	61		"	"		1	
8				N. x E.	"	0-1			30.41	73	69	67		"	"		1	
9				"	Calm.	0			30.43	76	71	69		bcm.	"		1	
10				N. N. W.	S. W.	0-1			30.46	76	71	69		"	a-cu		3	
11				W. N. W.	"	0-1			30.46	78	69	67		"	"		3	
Noon.				"	"	1			30.46	77	70	68		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 70-74 70-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 650 gallons.

Water distilled during the preceding 24 hours, 1550 "

Water remaining on hand fit for use at noon, 2450 "

Coal consumed during the preceding 24 hours, / tons, 1360 lbs.

Coal remaining on hand at noon, 159 " 1545 "

P. M.																		
	At anchor.																	
1				S. S. W.	S. W.	2			30.45	78	75	72		bcm	cu	–	3	
2				"	"	2			30.45	78	75	72		"	"	–	3	
3				"	S. S. W.	2			30.44	79	75	73		"	"	–	3	
4				"	"	2			30.44	82	75	73		"	"	–	3	
5				"	"	1			30.45	85	74	71		"	Fr-cu	S. W.	1	
6				N. W. by N.	Calm	0			30.44	82	74	72		"	a-cu	W.	3	
7				N. N. E.	"	0			30.44	78	74	73		"	"	"	5	
8				North	"	0			30.43	77	68	68		bcmw.	"	–	8	
9				"	"	0			30.43	76	67	67		"	"	–	8	
10				"	N. E.	1			30.42	69	65	65		"	"	–	3	
11				"	"	1			30.42	65	63	63		"	cu.	–	2	
Mid.				"	"	1			30.42	65	63	62		"	"	–	1	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, August 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light airs from N. by W. Calm at times. Distilling.

C. M. Fahs
Lieut., U. S. N.

4 to 8 A.M.

Clear and fine. Calm to light Northerly airs. Received in Pay Dept. for issue 108 lbs bread, 201¼ lbs fresh meat and vegetables.

J. F. Baldwin Ensign, U. S. N.

8 A.M. to Meridian.

Clear and pleasant. Calms and light S. W'ly airs. At 9:30 mustered at quarters, absentees:- A. J. Pederson, B.M. 1.C. Cond'y Officer inspected crew and ship. The Chaplain held Divine service.

Ralph Earle,
Ensign, U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Hazy in the distance. Light breezes from S.W. to S.S.W. Sent a liberty party ashore. Distilling.

C. M. Fahs
Lieut., U. S. N.

4 to 8 P.M.

Fair and pleasant. Light S.S.W. by airs and calms. One oarlock of dinghy found to be missing. Moon rose at 7:10.

Ralph Earle,
Ensign, U. S. N.

8 P.M. to Midnight.

Fair and pleasant. Hazy. Calm first hour, light N.E. airs remainder. A. J. Pederson (B.M. 1.C.) returned on board 13¾ hours over liberty. At 11:55 stopped distilling.

C. M. Fahs
Lieut., U. S. N.

Examined and found to be correct.

F. F. Luper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Plymouth, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				South.	E. N. E.	1			3041	66	62	62		hmr	mne	-	0	
2				S. by W.	Calm.	0			3041	67	61	61		hmr	a-cu	E.	4	
3				"	E. N. E.	1			3041	67	61	61		"	a-cu	"	6	
4				S. S. W.	"	1			3041	66	60	60		"	"	"	5	
5				S. E.	N. E.	0-1			3041	67	60	60		"	"	—	4	
6				N. E.	"	0-1			3041	65	61	61		hzn.	cu.	—	4	
7				"	"	0-1			3042	67	63	62		"	"	—	4	
8				N. E. by N.	"	0-1			3043	72	69	67		"	"	—	5	
9				N. N. E.	East.	0-1			3045	76	73	70		"	a-cu	E.	4	
10				North	S. S. W.	0-1			3045	80	72	70		"	cu.	—	3	
11				N. W. x W.	S. W.	1			3048	75	69	68		"	"	—	4	
Noon.				S. W. x W.	S. S. W.	3			3047	72	70	68		"	"	S	6	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For Aft

Position at noon: { Latitude by observation ° ' " 75-74 70-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, ~~50~~ gallons.

Water distilled during the preceding 24 hours, 750 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 685 lbs.

Coal remaining on hand at noon, 152 " 860 "

P. M.																		
1				S. x W.	S. S. W.	3			3047	74	73	70	-	hzn.	cu.	S.	6	
2				S. S. W.	"	3			3046	75	73	69	-	"	"	"	6	
3			98.7	S. S. E.	"	3			3046	74	73	69	-	"	"	"	4	
4	4	8	3.5	S. S. E.	"	2			3046	73	69	68	65	"	"	"	5	
5	5	9	8.7	S. S. E.														
	5	7	12.7	S. E.	S. E.	3			3045	73	69	67	65	"	cir.	"	3	
6	5	3	17.4	S. ½ E.	"	3			3044	71	68	66	65	"	"	"	2	
7	8	0	28.0	"	E. by S.	2			3044	70	64	63	64	hzn.	mne	-	0	
8	3	9	31.9															
	4	1	36.0	East	"	1			3044	69	63	63	63	"	"	-	0	
9	7	1	43.1	E. ½ S.	"	1			3044	68	64	62	61	"	"	-	0	
10	7	6	50.7	"	"	1			3044	67	64	62	62	"	"	-	0	
11	7	4	58.1	"	"	1			3044	67	64	62	62	"	"	-	0	
Mid.	5	6	63.7	E. ½ N.	"	1			3045	67	64	63	63	"	"	-	0	

under the command of Commander Frank Courtis. , U. S. Navy,

Monday, August 21st. , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear to fair. Cool. Hazy. Bright moonlight. Calms and light S.W. & S. airs. Barometer steady. Two small steamers came into port.

W. H. Sun
Ensign, U. S. N.

4 to 8 A.M.

Very hazy to fair. Calms to light airs from N. & E. At 8:00 sent down topgallant yards, bent sail, and crossed yards. Received on Pay Dept. 161 lbs fresh bread and 201¼ lbs each of fresh meat and vegetables. Moon set at 5:10.

Ralph Earle, Ensign, U. S. N.

8 A.M. to Meridian.

Fair and pleasant, hazy. Light airs from East to S.W. first three hours, gentle S.S.W. breeze last hour. At 8:10 the English Battleship "Ocean" put to sea. At 9:30 inspected at quarters and exercised divisions at routine drills. The three training brigs stood out at 10:45, also the American Steam Yacht "Queen Mab." Hoisted steam launch. Secured for sea. At 10:00 lighted fires in boilers C. and D. The Commander awarded the following punishments:- A. Shearer (A.B.C.), turning into his hammock while on anchor watch, 16 hrs extra duty; H. J. Pederson (B.M.1.C.), 13½ hrs over liberty and returning light, reduced to 3rd Class.

C. M. Fahs
Lieut., U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Gentle to light S.S.W. breeze. Barometer steady. Finished preparations for sea. At 2:50 called all hands, up anchor and at 3:00 went ahead on engines. At 3:25 set the course S.S.E. (P.S.C.) p. 2.98.7. English Battleship "Ocean" was passed standing into the harbor. At end of watch on course S.S.E. (P.S.C.) under three boilers. Pilot for Southampton came on board at 3:30. Draft of ship 14' 6" for'd, and 17' aft.

W. H. Sun
Ensign, U. S. N.

4 to 8 P.M.

Fair and pleasant. Hazy. Gentle to light breeze from S.E. first half, light airs from E. by S. remainder. Under steam alone on course S.S.E. (P.S.C.). At 4.20 changed course to E.S.E. (P.S.C.), when ruin on Borough Island and Highbury Church were on range. At 5:40 changed course to E. ½ N. (P.S.C.), Brand Pt. being then abeam on port hand about 2½ miles distant. At 5:00 the Start Lt. House bore abeam on port hand N. ½ W. (P.S.C.) and distant 1½ miles. At 7:30 changed course to East, pat. log 31.9. At 5:15 mustered at quarters and exercised at setting up drill. At 7:00 slowed the engine to 45 turns. Av. steam 55.5, av. rev. 47.7.

C. M. Fahs
Lieut., U. S. N.

8 P.M. to Midnight.

Clear, damp, hazy and cool. Light E. by S. airs. Barometer steady. At 8:15 lost sight of Start Point light. At 9:00 sighted Portland light 2½ points on port bow. At 10.8 bore broad on bow, pat. log reading 57.5 and at 11:26 was abeam pat. log reading 61.7. At 11:40 sighted Shambles Light vessel 3 points for'd of port beam. Sighted numerous steamers and sailing vessels. At 8:40 changed course to E. ½ S. and at midnight changed course to E. ½ N. (P.S.C.) Average steam pressure 51, revolutions 39.8.

W. H. Sun
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Plymouth to Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount reserved.	State of the Sea.
A. M.																		
1	6	7	70.4	E. ½ N.	East.	1			30.46	67	64	63	63	b.	nme	-	0	S.
2	6	8	77.2	"	"	1			30.46	67	64	63	63	bc.	cu.	-	2	"
3	6	8	84.0	"	"	1			30.45	66	64	63	62	"	a-cu	b	1	"
4	7	6	91.0	"	E. by N.	2			30.43	66	64	63	62	"	cu	-	2	"
5	3	4	94.4	S.W. ½ W.	"	2			30.44	67	63	63	64	"	"	~	2	"
6	3	6	98.0	N.E. ½ E.	East.	2			30.45	67	64	63	66	"	"	~	2	"
7	3	7	3.1	N.E. ½ E.	"	2			30.46	65	64	65	66	"	"	~	2	"
8	6	8	10.8	N.E. ½ E.	"	2			30.46	66	65	64	66	"	"	~	2	"
9	At anchor		14.4	N. x E.	"	1-2			30.47	68	66	64	-	"	"	-	2	-
10				S.E. x S.	"	1-2			30.47	69	72	68	-	"	"	-	2	-
11				"	"	1-2			30.47	73	72	68	-	"	"	-	2	-
Noon.				S. x W.	S. x E.	3			30.47	74	72	67	-	"	"	-	2	-

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For. Aft.
75-73 71-69.

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 140 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, 10 tons, 2123 lbs.

Coal remaining on hand at noon, 141 " 975 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount reserved.	State of the Sea.
P. M.	At anchor																	
1				S.E. x S.	S.S.E.	3			30.47	74	72	68		bm	none		0	
2.30	Passing Gibraltar			"	"	3			30.47	75	72	68		"	"		0	
3				N.W.	"	3			30.46	75	72	69		"	"		0	
4.35	Communed anchoring to Gibraltar			N.W. x N.	"	3			30.46	75	75	70		"	"		0	
5.40	Smoked			N. x W.	"	3			30.46	73	72	69		"	"		0	
6				S.E. x S.	"	2			30.44	72	69	67		"	"		0	
7				"	S.E.	1-2			30.44	72	69	66		bc.	cu		1	
8				S.E. x E.	"	1-2			30.44	72	66	64		"	"		2	
9				E.S.E.	"	1			30.43	72	66	64		"	"		1	
10				S.E.	East	0-1			30.43	69	64	63		"	"		1	
11				S.E. x S.	E.N.E.	0-1			30.43	68	63	62		b.	nme		0	
Mid.	Hoisted Flag high water			S.E.	"	0-1			30.43	67	62	61		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, August 22nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

commences and until 4. AM.

Clear and cool. Bright moonlight. Light airs from East increasing last hour to light breeze from E by N. Barometer falling slowly. As course E ½ N. (P.S.C.) under steam. Sighted several steamers and sailing vessels. At 12:55 sighted Anvil Lt. two points on port bow; at 2:52 it was broad on port bow p. l. 83.1, and at same time Shambles Lt. vessel bore N. 40° W. (P.S.C.). At 3:00 sighted St. Catherines Lt. ½ point on stbd. bow. Isle of Wight in sight ahead and on stbd bow at 3:45. At 4:00 changed course to E. N. E. ¼ E. (P.S.C.). Average revolutions 41.6; average steam pressure 56 lbs.

W. J. Manion,
Ensign, U. S. N.

4 to 8. AM.

Fair and pleasant. Light breeze from E by N. to N. E. Steaming on course E. N. E. ¼ E. (P.S.C.). At 4:25 changed course to N. E by E. ½ E. (P.S.C.) pat. log 944; at 5:33 changed course to N. E by E. (P.S.C.) pat. log 3.1; at 5:52 changed course to N. E ½ E. (P.S.C.) pat. log 5.5. At 6:33 changed course to N. E. (P.S.C.) p. l. 10.7. At 6:43 changed course to N. E. ½ N. heading in for the Needles. Anvil Hd. Lt. house was abeam on port hand bearing N by E ½ E. (P.S.C.) at 5:14. At 6:50 passed the Needles. Standing into the Solent the pilot coming. At 8:00 the ship was close to Cowes. The Guard Ship "Australia" was lying at Cowes. Av. steam, 54 Rev. 46.

Chas. Fox,
Lieut., U. S. N.

8 AM. to Meridian.

Fair and pleasant. Light N. E. airs & gentle S. by E. breeze. Barometer steady. At 8:30 called all hands bring ship to anchor. At 9:00 let go port anchor in 5½ fms. of water, soft bottom. Moored to 25 fms. of chain. Bearing of anchorage: Hospital dome E 65° E., Netley Castle tower N. 69° E. E'd of pier N. 21° W. Ships head S. 39° E. An officer from the British Ship, Mersey, made a call on this ship which was returned. The Comdg Officer of the U. S. S. Alliance called on the Commander of this vessel. By order of the Commander released from confinement T. E. Loomis (a.s.c.). At 3:35 exchanged numbers with the "Alliance" and at 8:40 signalled by wigwag: Did you fire a salute, if so was it answered "Alliance" to "Essex": No, this is not a saluting port. Flood tide all the watch. The U. S. Consul came on board at 11:15. Rigged out steam launch. At 10:00 went to quarters for muster. Numerous steamers passing in & out. At 9:20 "Alliance" to "Essex" 5770. At 9:22 "Essex" to "Alliance" affirmative. Draft 14 ft. forward 17 ft. aft.

W. J. Manion,
Ensign, U. S. N.

Meridian to 4. P. M.

Fair and pleasant. Gentle breezes from S. S. E. Barometer steady. At 1:00 the U. S. Consul left the ship and a salute of seven guns was fired in his honor, American flag at the fore. Ship riding to ebb tide at 2:30. At 2:00 the Comdg Officer left the ship and called officially on the Comdg Officers of H. M. S. "Medea" and the U. S. S. "Alliance", and the Mayor of Southampton. The following signals were made during the watch:- "Alliance" to "Essex" at 1:50 by wigwag "Would like to have permission to exercise boats and at sail drill", at 3:52 General Signal 5.13; "Essex" to "Alliance" (by wigwag) "permission is granted", at 2:15 "Follow your routine for drill without making signals to the Comdg Officer", at 3:55 by General Signals, Affirmative. Delivered to the U. S. S. "Alliance" 6 coils of hemp cordage consigned to that vessel from the General Storekeeper at the Naval Training Station, Newport, R. I.

W. J. Manion
Ensign, U. S. N.

4 to 8. P. M.

Clear and pleasant. Light breezes and airs from S. S. E. & S. E. Barometer falling slowly. At 4:45 commenced to swing to flood, finished swinging at 5:45. Transfered to the U. S. S. "Alliance" 12 corn brooms. Moon rose at 7:25. Comdr returned from making official calls at 5:00.

W. J. Manion
Ensign, U. S. N.

8. P. M. to Midnight.

Examined and found to be correct.

E. F. Leiper
Fleet Navigator.

Clear and pleasant. Bright moonlight. Light airs from S. E., East and E. N. E. and calms. Barometer steady. Riding to flood tide.

W. J. Manion, Ensign, U. S. N.

LOG of the UNITED STATES Training Ship Essex 6rd **Rate,**

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each 10.	State of the Sea.
A. M.				At anchor.														
1				N. x E.	E. N. E.	1			30 42	62	61	60		ib.	none		0	
2	30			Commenced swing to the N. E.	"	1			30 42	60	59	59		"	"		0	
3				Finished swing	N. N. W.	1			30 40	60	59	59		lbc	cu.		1	
4					N. W. x N.	1			30 39	60	59	59		"	"		1	
5	30			Slack low water	"	1			30 40	61	58	58		"	"		1	
6				Commenced swing to flood	"	0-1			30 40	64	58	58		"	"		1	
7				Finished swing	S. E. x S.	0-1			30 41	66	62	61		bcm.	"		1	
8				Slack high water	S. E.	0-1			30 41	69	72	70		"	"		1	
9	15			Commencing to flood	N. E.	1			30 41	73	75	71		"	"		1	
10				Finished swing	S. E. x S.	1			30 41	74	75	71		"	"		1	
11				Ending to flood	"	1			30 41	75	75	71		"	"		1	
Noon.					S. S. E.	1			30 41	78	76	71		"	"		1	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 74-73 70-68

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 1785 lbs.

Coal remaining on hand at noon, 139 " 1480 "

P. M.				At anchor.														
1				S. S. E.	S. S. E.	3			30 41	79	77	71		bcm.	cu.		2	
2				South	"	3			30 40	81	77	69		"	"		2	
3				S. W. x W.	"	3			30 39	81	74	68		"	"		2	
4				N. W.	"	3			30 37	77	73	68		"	"		2	
5				N. W. x N.	"	3			30 36	78	75	70		bm.	none		0	
6	45			Slack low water	N. W.	3			30 35	77	73	70		"	"		0	
7				S. E. x S.	S. E. x S.	1			30 35	78	72	70		"	"		0	
8				"	S. S. E.	1			30 35	76	69	67		"	"		0	
9				S. E. x E.	S. E.	1			30 34	70	67	67		bmw.	"		0	
10				"	"	1			30 33	69	67	66		"	"		0	
11				S. E.	"	1			30 32	69	65	64		"	"		0	
Mid.	45			Commenced swinging to the	"	1			30 31	69	64	64		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, August 23rd , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Light airs from S.W. & E. Slack water. Riding to wind. Tide commenced to ebb at 2:30. Finished swinging at 3:00. Several steamers passed down.

W. L. Baldwin Ensign, U.S.N.

4 to 8 A.M.

Clear, hazy weather. Calm to light S.W. & E. airs. Barometer rising. Swung to flood tide between 5:00 & 6:30. Havre steamer came in about 6:00 o'clock. Received in dept. of Supplies and Accounts 148 lbs. fresh bread, 154½ lbs fresh meat, 201½ lbs fresh vegetables, for issue to the crew. 45 lbs. of meat were rejected.

W. J. Mannion
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and misty. Light airs from S.E. Barometer steady. At 11:00 the Comdy Officer of the Medea called on the Comdy Officer. At 11:15 the Mayor of Southampton called on the Comdy Officer; he was received with the customary honors and on his departure a salute of 13 guns was fired, English flag at the fore. At 9:30 called all hands and moored ship. Veered to 30 fms. on each chain, put on mooring swivel. The engine and one boiler were used. Bent sheet chain and got sheet anchor ready for letting go. Sent distilled water forward into tanks about 10:30. The U.S.S. Alliance fired a salute of 9 guns, English flag at the fore at 11:00 in honor of the Mayor of Southampton. W. J. Mannion, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and fine. Gentle breeze from S.S.E. Swinging to wind. Commenced to swing to flood at 2:50, finished at 3:45. At 1:30 called all hands and sent down topgallant yards and sent them up again for exercise. Unbent topgallantsails and stowed them below. Finished at 2:30. At 2:50 finished distilling and allowed fires to die out. R.M.S. Lion left the harbor. Race boat crew out for exercise for half an hour. Transfered to the U.S.T.S. Alliance with bags, hammocks and necessary transfer papers, C. Fay (Sea) and E. A. Quarles (Fds). S. Whetton (S.C.4.C.) left the ship on 7 days leave. Ld. Mc Keown (L.M.1.C.) returned to the ship from 8 days leave. Overhauled 4 main battery guns.

W. L. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant, misty. Gentle breezes from S.S.E., falling to light airs from S.E. by S. and E.S.E. Barometer steady. Moon rose at 7:45. Riding to flood tide at 7:00.

W. J. Mannion,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Bright moonlight. Riding to wind and flood. Light airs from S.E. Several steamers passing.

W. L. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.	At anchor.																	
1				W.S.W.	S.S.E.	2			30.29	68	64	64		b.	none		0	
2				East.	S.E.	2			30.28	67	65	66		bm.	"		0	
3				E. x S.	"	2			30.27	67	65	65		"	"		0	
4				N.N.W.	"	3			30.26	68	66	65		"	"		0	
5				N.W. x N.	E.S.E.	3			30.26	69	65	64		"	"		0	
6	Commenced swinging to flood			N. x W.	"	3			30.27	71	68	64		"	"		0	
7	Finished swinging to flood.			S.E.	S.E.	3			30.27	71	69	68		"	"		0	
8				S.E. x S.	"	3			30.27	71	73	70		"	"		0	
9				S.S.E.	S.S.E.	3			30.28	74	76	72		"	"		0	
10				"	"	3			30.28	74	74	71		"	"		0	
11				S.E. x S.	S.E. x S.	3			30.28	79	76	72		"	"		0	
Noon.				"	"	3			30.28	77	77	73		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 74-73 71-69.
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 25000 "

Coal consumed during the preceding 24 hours, tons, 135-0 lbs.

Coal remaining on hand at noon, 139 " 130 "

P. M.																		
	At anchor.																	
1				S.E. x S.	S.E. x S.	3			30.28	80	77	73		bm.	mne		0	
2				"	"	3			30.28	80	77	73		"	"		0	
3				"	"	3			30.26	80	78	74		"	"		0	
4	swinging to ebb			"	"	3			30.25	79	78	74		"	"		0	
5				N.W.	South	3			30.24	78	76	73		"	"		0	
6.45	Commenced swinging to flood			"	"	2			30.24	79	76	73		"	"		0	
7.15	Ending to flood			S.E.	S.S.E.	2			30.23	70	72	70		bm.	cu.		2	
8				S.S.E.	"	1			30.22	70	69	67		"	"		2	
9				"	"	2			30.22	77	68	67		"	"		1	
10				S.E.	S.E.	2			30.20	70	68	67		bm.	mne		0	
11				"	"	2			30.19	70	68	67		"	"		0	
Mid.				"	"	2			30.18	70	68	67		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, August 24th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and cool. Light to gentle S.S.E. by to S.E. by E. breezes. Bright moonlight. Swung to ebb 12:50 to 1:15.

Ralph Earle,
Ensign, U. S. N.

4 to 8. A.M.

Fair and misty. Gentle breezes from E.S.E. and S.E. Barometer steady. Received in the Dept. of Supplies and Accounts the following fresh provisions:- 166 lbs. bread, 246¼ lbs. meat, 201¼ lbs. vegetables. Commenced swinging to flood tide at 6:00; finished at 7:00.

W. J. Marion,
Ensign, U. S. N.

8. A.M. to Meridian.

Clear and pleasant. Hazy around horizon. Gentle breeze from S.S.E. and S.E. by S. Swinging to wind and flood. Mustered at Quarters at 9:30, no absentees. Exercised with light spars, sending down topgallant masts twice and crossing royal yards, leaving royal yards across. The Ward room officers of the "Alliance" and the Captain of H.M.S. "Medea" called officially on the Ward Room. Exchanged signals with the "Alliance" as follows:- 8:20 A. to E. Interrogatory 5771, answered affirmative, at 8:35 A. to E. Interrogatory 5255, answered affirmative. 9:30 A. to E. wigwag,- Request permission to unmoor ship. Answered, Go ahead at discretion without signal. At 11:45 A. to E. wigwag Contract price of coal at Gibraltar one pound, one shilling, and six pence per ton from Bissouri, Mackintosh & Co.

J. P. Baldwin Ensign, U. S. N.

Meridian to 4 P.M.

Clear to hazy and pleasant. Gentle S.E. by S. by breeze. Started to swing to ebb at 3:45. Commanding Officer assigned the following punishments - E. S. Kirk a.s.c., clothes not marked, 4 hrs. extra duty; T. Macfeat, a.s.c., stowing clothes in hammock nettings, 4 hrs. extra duty; C. P. Cox, a.s.c., shirking on boat falls, 4 hrs. extra duty. Exercised boats crews at oars. At 12:30 U.S.S. "Alliance" requested permission to get underway which was granted, and at 12:40 she stood out to sea. Overhauled battery.

Ralph Earle,
Ensign, U. S. N.

4 to 8. P.M.

Clear and pleasant with haze around horizon. Light airs to gentle breeze from South and S.S.E. Riding to ebb. Started to swing to flood at 6:40 and finished at 7:00. At 5:30 sent down topgallant and royal yards. Race boat crews of men and boys out for exercise. Troop Ship "Arundel Castle" left port.

J. P. Baldwin Ensign, U. S. N.

8. P.M. to Midnight.

Clear and pleasant. Light S.S.E. by to S.E. by E. breezes. Moon rose at 8:10. Riding to flood tide.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leyden.
Fleet Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Southampton, England.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 0-6.	State of the Sea.
A. M.	At anchor.																	
1:35	Swinging to ebb.			S. E.	S. E.	3			30 18	70	68	68		bcm	nme		0	
2				E. N. E.	"	3			30 17	70	68	67		"	"		0	
3				East.	"	3			30 16	71	68	67		"	"		0	
4				E. x S.	"	3			30 16	73	68	67		"	"		0	
5				N. N. W.	"	3			30 15	78	68	68		bm.	"		0	
6:45	Commenced swinging to flood			"	"	3			30 14	71	68	68		"	"		0	
7				West.	"	2			30 15	73	70	69		"	"		0	
8				S. E. x S.	"	2			30 16	73	75	72		bam.	cu.		1	
9:50	Commenced swinging to ebb			"	"	2			30 17	78	77	72		"	"		2	
10				S. W.	"	2			30 17	79	78	73		"	"		3	
11	Swinging to flood			S. x W.	S. W.	2			30 19	87	80	75		"	"		3	
Noon.				"	"	2			30 19	77	77	74		"	"		3	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft. 74-72 70-69

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 138 " 1470 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 0-6.	State of the Sea.
P. M.	At anchor.																	
1:30	Commenced swinging to ebb			S. x E.	S. W. x S.	3			30 19	76	77	72		bc.	cu.		4	
2				W. S. W.	S. W.	3			30 19	77	77	72		"	"	S.W.	3	
3				W. x S.	W. S. W.	3			30 19	78	76	71		"	Tr-cu	"	4	
4				West.	"	3			30 19	77	75	71		"	cu.	—	3	
5				N. W. x W.	"	3			30 19	77	74	70		"	"	"	3	
6				N. W.	"	3			30 21	77	74	72		"	"	"	4	
7:35	Commencing to flood			"	West	2			30 22	76	70	70		bcw	"	"	6	
8				S. W.	"	2			30 23	75	68	67		"	"	"	6	
9				S. x E.	W. N. W.	2			30 25	76	66	65		"	cu	—	4	
10				S. W. x S.	N. W.	1-2			30 25	74	65	65		"	"	—	6	
11				N. N. W.	N. N. W.	1			30 26	73	65	65		"	cu-cu	—	6	
Mid.				S. E.	N. W. x W.	1			30 26	71	64	64		"	"	W	6	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, August 25, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Gentle S. E. breeze.

C. McFaks
Lieut., U. S. N.

4 to 8. A.M.

Clear and fine. Light to gentle breeze from S. E. Received in Pay Dept for issue 153 lbs. bread, 201¼ lbs each fresh meat and vegetables.

H. P. Blunt Ensign, U. S. N.

8. A.M. to Meridian.

Fair and pleasant. Light S. E. by shifting to S. W. by last half, breezes. At 9:30 went to general quarters divisions reporting ready as follows:- 1st, 4¼; 2nd 6½; 3rd, 3; 4th, 2½; 5th 3¼; Nav. 4; Pinder, 2; all ready in 6½ minutes. Secured at 9:50, time 3¾ minutes. At 10:14 called boat arm and away for distant service, all being ready in 11 minutes. Exercised boats under oars. At 9:50 began to swing to ebb, and swung to flood again at 11:00.

Joseph Earle.
Ensign, U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Gentle breeze from S. W. by W. to W. S. W. At 1:15 sent down topgallant and royal yards. Furled topgallant sails and crossed the yards below the lower yards and exercised the apprentices at loosing and furling the topgallant sails. W. W. Crawford (B.M. 1.C.) went on 7 days leave of absence. Tested magazine and shell room flood cocks and found them in good condition. Lifted main battery guns from the carriages and overhauled the trunnions and cap squares. Cleaned bilges.

C. McFaks
Lieut., U. S. N.

4 to 8. P.M.

Cloudy to fair and pleasant. Gentle W. S. W. breeze first half, with light West by breezes last half. Swung to ebb from 4:10 to 4:30, and to flood from 7:35 to 8:00. At 5:39 went to fire quarters, all divisions ready in 2½ minutes.

Joseph Earle,
Ensign, U. S. N.

8. P.M. to Midnight.

Fair and pleasant. Light breezes and airs from W. N. W. to N. N. W.

C. McFaks
Lieut., U. S. N.

Examined and found to be correct.

E. F. Leeper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each kind.	State of the Sea.
A. M.																		
1				At anchor S.E. x S.	South	1			30.25	68	64	64		bav.	a-cu	W.	7	
2				Commenced Swinging to the South	"	1			30.25	68	62	62		"	"	"	7	
3				N.N.W.	West	1			30.25	68	64	62		"	"	"	7	
4				North	"	1			30.26	68	64	62		"	"	"	3	
5				N.W. x N.	"	1			30.24	70	61	61		bcm	"	—	4	
6				"	N. x W.	1			30.26	70	61	61		bfc	S.	—	5	
7 1/4				Commenced Swinging to Sthd.	"	0-1			30.28	71	61	61		bf	fine	—	0	
8				South.	"	1			30.29	72	63	63		"	"	—	0	
9				"	Calm.	0			30.30	77	67	67		b.	"	—	0	
10				S.S.E.	"	0			30.30	78	67	65		"	"	—	0	
11				"	"	0			30.30	78	67	65		bc	cu.	—	3	
Noon.				"	South	1			30.30	78	67	66		"	"	—	3	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 74-73 71-62
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 138 " 570 "

P. M.																		
	At anchor																	
1				S.E. x S.	S.E.	2			30.27	80	81	73		bcm	fr cu		5	
2				"	"	2			30.26	81	80	73		"	"		4	
3				S.E.	"	2			30.25	82	79	73		"	"		3	
4						2			30.22	79	77	72		"	"		3	
5				Commenced Swinging to the S.S.E.	S.S.E.	S.S.E.	2		30.20	79	75	71		bc	cu		4	
6				N.W. x N.	"	2			30.19	80	77	73		"	cu-cu		8	
7 1/4				Commenced swing to the South	South	1			30.18	78	73	70		"	"		3	
8 1/4				Shifted & swinging to the S.	Calm.	0			30.17	76	70	69		"	"		3	
9				S.S.E.	S.E.	1			30.14	72	67	65		"	"		3	
10				"	"	1			30.12	68	67	66		bcm	a-cu		6	
11				S.E.	"	1			30.09	67	65	65		bcum	"		7	
Mid.				E. x S.	"	1			30.07	66	65	65		"	"		7	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday August 26th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and cool. Light airs from South and West. Commenced to swing to ebb tide at 2:00. Barometer steady.

Arthur Lee
Ensign, U. S. N.

4 to 8. A.M.

Hazy and fair with thick fog at intervals. Light variable airs and calms. Finished swinging to ebb at 4:38. Started to swing to flood at 7:30. Received in Pay Dept 169 lbs. fresh bread, and 20 1/4 lbs each of fresh meat and vegetables.

Ralph Earle,
Ensign, U. S. N.

8. A.M. to Meridian.

Fair and pleasant. Calm first three hours, light airs from South last hour. Cleaning Ship. Aired bedding. The Commander awarded the following punishments:- J. Dwyer, (A.B.C.), for skylarking on gun deck and destroying government property, 16 hours extra duty.

C. M. Fahs
Lieut., U. S. N.

Meridian to 4. P.M.

Fair to clear and warm. Light S. E. ly breeze. Barometer falling. At 12:30 American Line steamer "St. Paul" passed out to sea, and at 3:00 large American steam yacht "Sapphire" also passed. Regatta of small yachts in progress throughout the watch. At 1:15 hoisted smoke pipe and started fires under boiler "A."

Arthur Lee
Ensign, U. S. N.

4 to 8. P.M.

Fair and pleasant. Light breeze and airs from S. S. E. to South. Calm last hour. At 6:30 commenced distilling. The Castle Liner "Dunfauns Castle" and the Union Liner "Briton" sailed.

C. M. Fahs
Lieut., U. S. N.

8. P.M. to Midnight.

Fair to cloudy and damp. Calms and light S. E. airs. Barometer falling. Swung to flood tide between 8:25 and 8:45. Distilling.

Arthur Lee
Ensign, U. S. N.

Examined and found to be correct.

F. F. Lieper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	At anchor			S. E.	East	1			30.05	67	65	64		bc.	a-cu.	S.W.	5	
2				S. E. x S.	"	1			30.02	65	65	64		"	a-cu.	"	7	
3				S. E.	"	1			29.99	66	65	64		"	"	"	1	
4	Commenced running 6 kts.			S. E. x E.	Calm	0			29.99	67	65	64		"	cu-cu.	"	3	
5 1/4	Finished running 6 kts.			N. E.	N. W.	1			29.97	67	65	64		"	"	"	4	
6				N. W. x N.	"	1			29.95	68	64	63		"	"	—	4	
7				"	"	1			29.96	69	63	62		"	"	—	4	
8 1/4	Commenced running 6 kts.			N. W.	West	1			29.99	74	65	64		"	"	—	4	
9 1/4	Finished running 6 kts.			S. x W.	N. W.	1			29.99	77	71	65		"	"	—	4	
10				W. x S.	W. x N.	3-4			30.01	76	75	69		"	s-cu and cu	W.	7	
11				West	W. N. W.	3			30.02	75	73	69		"	cu	.	7	
Noon.				W. x S.	W. S. W.	2-3			30.02	77	74	70		"	"	.	8	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 75-74 71-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5000 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 1810 lbs.

Coal remaining on hand at noon, 136 " 1000 "

P. M.																	
1	At anchor																
2		South.	W. S. W.	3			30.02	77	74	70		bc.	cu.	W.	8		
3		"	"	3			30.02	78	74	70		"	"	"	7		
4		S. S. W.	"	3			30.02	78	74	70		bcp.	cu-n.	"	7		
5 1/4	Commenced running 6 kts.	S. W. x W.	"	3			29.99	78	74	70		"	"	"	7		
6		W. S. W.	"	4			29.94	72	72	68		bcm.	"	"	6		
7		N. W. x W.	"	3			29.98	72	68	66		"	"	"	6		
8		N. W.	West.	2			30.00	71	66	66		bcpm.	"	—	7		
9	Running 6 kts.	"	"	1			30.01	71	66	66		"	"	—	8		
10		"	"	2			30.00	71	65	65		"	"	—	8		
11		S. W.	"	1			30.00	71	65	65		bc.	"	—	8		
Mid.		W. S. W.	"	1			30.01	70	65	65		"	"	—	9		
		"	"	1			30.01	68	64	64		"	"	—	8		

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, August 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Bright moonlight. Light airs from East, falling last hour to calm. Barometer falling. Riding to flood tide.

W. J. Mamion,
Ensign, U. S. N.

4 to 8 A.M.

Fair and pleasant. Light N.W. airs. Received on Pay Dept for the crew fresh provisions as follows 1-161 lbs bread, 201½ lbs meat, and 201½ lbs vegetables. Distilling.

C. W. Parks
Lieut., U. S. N.

8. A.M. to Meridian.

Cloudy to fair and pleasant. Light N.W. airs to moderate breeze from W. by N. to W.S.W. Barometer rising. At 9:30 mustered the crew at quarters after which the Commander inspected the ship with the crew at quarters. The Chaplain held divine service at 10:20. North German Lloyd steamer came into the entrance of Southampton water at end of watch. At 8:40 commenced to swing to flood tide, finished swinging at 9:40. Most of the rest of the watch swinging with the wind athwart the tide. Distilling

Ensign, U. S. N.

Meridian to 4. P.M.

Clear and pleasant, with light passing showers during third. Gentle breezes from W.S.W. Barometer steady, but falling last hour. At 12:50 North German Lloyd steamer left the harbor. Distilling.

W. J. Mamion.
Ensign, U. S. N.

4 to 8 P.M.

Cloudy and pleasant. Light rain spt third hour. Barometer rising. Moderate breeze to light airs from W.S.W. and West. Swung to ebb tide between 5:45 & 6:05. Distilling. North German Lloyd steamer came into entrance of Southampton water and left bound West.

Ensign, U. S. N.

8 P.M. to Midnight.

Clear and cool. Light breezes and light airs from West. Barometer steady. Moon rose at 4:05. Riding to flood tide at end of watch.

W. J. Mamion,
Ensign, U. S. N.

Examined and found to be correct.

F. F. Lasper.
Asst. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate;

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving form.	CLOUDS. Amount. eighths.	State of the Sea.
A. M.																		
1	At anchor			S. W. x W.	West.	1			30 00	68	65	65		b.cu.nim	S.cu.		8	
2				"	"	1			30 00	68	65	65		o.cu.m.	N.		10	
3	3		Commenced heaving to cable	W. x S.	"	1			29 99	67	65	65		b.cp.	S.cu.		7	
4				W. N. W.	"	1			29 99	67	65	65		b.c.	"		6	
5				S. x W.	W. x N.	1			29 98	65	63	62		"	"		6	
6	18		Finished heaving to cable	N. W. x W.	"	1			29 98	66	63	62		"	a.cu.		6	
7				N. W. x N.	"	1			29 98	72	63	62		"	"		5	
8	18	0	Stack low water	"	"	1			30 01	73	64	63		"	"		4	
9				W. N. W.	W. S. W.	1			30 02	73	65	65		o.cu.m.	Nmi.		10	
10				S. W.	"	3			30 02	73	67	65		b.cu.m.	a.cu.		5	
11				S. W. x W.	S. W.	3			30 02	73	67	65		o.cp.m.	Nmi.		10	
Noon.				W. S. W.	"	3			30 03	70	66	66		"	"		10	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 74-73 71-70
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 134 " 1880 "

P. M.																	
	At anchor.																
1			S. W.	W. S. W.	3			30 02	70	66	64		b.cp.	a.m.	W.	9	
2			S. x W.	"	3			30 00	68	66	65		b.c.	"	"	8	
3			S. S. W.	"	4			29 98	69	68	65		"	"	"	5	
4			W. S. W.	West.	3			29 99	68	67	65		b.cp.	"	"	5	
5			"	"	3			30 00	68	67	65		"	"	"	5	
6	13	0	Commenced heaving to cable	West.	"	2		30 02	68	67	64		b.c.	"	"	5	
7				W. N. W.	"	2		30 02	66	65	64		"	"	"	5	
8				N. W.	"	2		30 02	66	64	64		"	"	"	5	
9				"	"	2		30 03	67	63	63		"	a.	—	2	
10				N. W. x W.	"	1		30 04	66	62	62		b.w.	None.	—	0	
11				West.	"	1		30 05	65	62	62		b.w.	S.	—	2	
Mid.				N. W. x W.	"	1		30 05	64	61	61		"	ci.	—	3	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, August 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy. Light airs from West. Light rain falling from 1:30 to 3:00. Riding to wind. Commenced to swing to Ebb at 3:15.

F. R. Belin Ensign, U. S. N.

4 to 8 A.M.

Fair and pleasant. Light airs from West & W by N. Barometer falling slightly. Received in Pay Dept. following fresh provisions for issue to crew 201 lbs each beef and vegetables and 166 lbs soft bread. Paid monthly money to boys. J. Cooksey, Fds, returned from leave.

W. F. Turpin
Ensign, U. S. N.

8. A.M. to Meridian.

Generally overcast and cloudy, with light passing showers. Light airs to gentle breezes from W. S. W. and gentle breezes from S. W. Barometer steady. At 9:30 mustered at quarters, then drilled as per routine. Absentees J. Grady (B. M. 2 C.) and Wm. White (B. M. 2 C.), both over liberty. At 8:10 Ensign W. F. Turpin, U. S. Navy, left the ship on three days leave of absence. Rattling down shrouds. Punishments awarded by the Condy Officer: J. White (Disp. App.) "Sleeping in after all hands" - to be called at 4 bells A.M. until further orders - and the following for having clothes in locky bag - 4 hrs extra duty each, H. J. Martin (A. S. C.), L. L. Thomas (A. S. C.), P. C. Kaminsky (A. S. C.), L. A. Frank (A. S. C.), and E. A. Wrockloge (A. S. C.)

W. J. Manion,
Ensign U. S. N.

Meridian to 4 P.M.

Cloudy with light drizzling rain at intervals. Gentle to moderate breeze from W. S. W. The Captain left the ship on one weeks leave. Rattling down. Scraping and painting fire room hatch. Exercised topgallant and royal yardmen at bowsing and furling topgallantsails. Received in Equipment Dept. 320 fathoms 2½" Manila, 40 fathoms 3" Manila and 100 fathoms 3½" Manila. In Construction Dept. 50 lbs. lyfich.

F. R. Belin Ensign, U. S. N.

4. to 8 P.M.

Generally clear and pleasant with passing showers first hour. Gentle and light breezes from West. Barometer rising first part, steady afterward. Unbent topgallantsails, and crossed topgallant yards. A. Connelley (S. C. & C.) left the ship on 5 days leave. At 6:15 Wm. White (B. M. 2 C.) and J. Grady (B. M. 2 C.) returned on board 1¼ hours over liberty.

W. J. Manion,
Ensign, U. S. N.

8. P.M. to Midnight.

Clear and pleasant. Light airs from West. Heavy dew falling. Moon rose at 10:30. Riding to Ebb & secured distilling at 9:30 and let fires die out in "A" Boiler.

F. R. Belin Ensign, U. S. N.

Examined and found to be correct.

F. F. Leiper
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each 10.	State of the Sea.
A. M.	At anchor.																	
1	1.30 Steaming to ward			N. W. x W	West.	1			30.06	63	61	61		bcu.	cu.n	W.	5	
2				S. S. E.	"	1			30.06	63	61	61		"	cu.	"	4	
3				"	"	2			30.05	63	61	61		"	"	"	4	
4	Commenced weighing to ebb			S. x W.	"	2			30.05	64	61	61		"	"	"	3	
5				S. W. x W.	"	2			30.05	64	60	60		"	"	—	4	
6				"	"	2			30.05	65	61	60		bc.	"	—	4	
7				"	"	1			30.06	68	61	60		"	"	—	5	
8				"	"	1			30.06	68	64	63		ocp.	cu.n	—	10	
9				N. W. x W	"	3			30.09	70	65	65		"	"	—	10	
10				"	"	2-3			30.09	70	65	65		"	"	—	10	
11				S. W. x W	W. S. W.	3			30.08	70	65	65		"	"	S.	10	
Noon.				"	"	3			30.08	70	65	65		"	"	"	10	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 73-74 78-69
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 10 lbs.

Coal remaining on hand at noon, 133 " 1870 "

P. M.																		
1				S.W. by W.	W. S.W.	5			30.08	70	65	65		o.o.g.p.w.	cu.n.	S.	10	
2				"	"	5			30.09	70	66	65		"	"	"	10	
3				"	"	4			30.08	70	66	66		"	"	—	10	
4				S.W. by S.	"	4			30.07	69	67	67		"	"	—	10	
5				"	S.W.	4			30.04	65	66	65		b.c.p.	"	S.W.	8	
6				S.W. by W.	S.W. by W.	3			30.03	70	65	65		o.c.v.	"	"	10	
7				"	"	3			30.03	70	65	65		o.c.p.	"	"	10	
8				W. by S.	"	2			30.03	70	65	65		"	"	"	10	
9				S.W. by W.	W. S.W.	5			30.03	69	65	65		o.c.p.q.	mist	—	10	
10				"	"	5			30.03	68	65	65		"	"	—	10	
11				W. by S.	"	3			30.02	67	65	65		b.c.p.q.	"	—	7	
Mid.				W. S.W.	"	3			30.02	66	64	64		"	"	—	4	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, August 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Light West'ly airs and breezes.
Bright moonlight. Swung to flood 11:30 to 11:40.

Ralph Earle, Ensign, U. S. N.

4 to 8 A.M.

Generally clear, wet dew first part, cloudy and passing showers last hour. Light airs and breezes from West. Barometer rising. Loosed sails and at end of watch furled again when it began to drizzle. B. Williams (Cal. Crok.) and B. F. Bailey (Cal. Std.) both went on three days leave. Received in the Dept. of Supplies and Accounts the following fresh provisions:- 164 lbs bread, 201¼ lbs. meat, 201¼ lbs. vegetables.

W. J. Mamon, Ensign, U. S. N.

8 A.M. to Meridian.

Overcast and raining. Light to gentle breeze from West and W. S. W. Mustered at quarters at 9:30, no absentees. Sent liberty party of boys ashore at 10 A.M. Received in Pay Dept. 2500 sovereigns and 997, ½ Sovereigns amounting to $14,592.20. Chaplain Gill, U. S. N. and Ensign W. J. Mamon, U. S. N. left the ship on three days leave.

F. P. Baldwin Ensign, U. S. N.

Meridian to 4 P.M.

Overcast and raining. Stiff to moderate W. S. W'ly breezes. Lowered smokestack.

Ralph Earle, Ensign, U. S. N.

4 to 8 P.M.

Overcast and raining. Light to moderate breeze from W. S. W., S. W., and S. W. by W. Ensign W. S. Turpin, U. S. N., returned from leave.

F. P. Baldwin Ensign, U. S. N.

8 P.M. to Midnight.

Overcast and rainy first three hours, clearing last hour. Stiff to gentle W. S. W. by breeze. Moon rose at 11:40.

Ralph Earle, Ensign, U. S. N.

Examined and found to be correct.

F. F. Leiser, Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor in Southampton England

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1						3			29.99	68	65	65		bc fc	Cu st	W.	7	
2				SW. by W.	N.W.	2			29.98	67	65	65		bc	"	"	5	
3				"	"	4			29.96	67	65	65		"	"	"	8	
4				"	"	3			29.95	66	65	65		"	"	"	4	
5				SW. by S	"	3			29.96	67	64	63		"	"	"	5	
6				S.S.W.	"	3			29.96	67	63	63		bcm	"	—	4	
7				SW.	West	3			29.98	69	64	63		"	Cu	—	4	
8				West	"	4			29.99	71	68	69		"	"	—	4	
9				"	"	4			30.01	72	67	64		bc	"	W	6	
10				N.W.	"	3-4			30.02	76	68	65		"	"	"	5	
11				N.W. by W.	"	4			30.02	76	68	65		"	"	"	5	
Noon.				"	"	4			30.02	75	69	66		"	"	"	5	
				N.N.W.	"													

Position at 8 A. M. { Latitude by / Longitude by } ° ' " Mag. Temp.

° ' " For. Aft.

° ' " 75-74 70-69

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 133 " 970 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1				NNW.	West	4			30.02	75	69	67		bc	cu st	W	5	
2				N. NW.	N. NW.	3			30.02	75	69	67		b.c. p.l.t.	"	"	8	
3				West	West	2			30.02	71	66	66		b.c.	"	"	6	
4				SW. by S.	"	2			30.02	72	68	66		"	"	"	7	
5				W. NW.	NW.	4			30.02	72	68	65		"	cu.	—	5	
6				"	"	4			30.03	73	68	65		"	"	—	4	
7				NW. by W.	"	3			30.04	71	67	65		"	cu	—	3	
8				NW.	"	2			30.06	70	65	63		"	"	—	2	
9				"	"	2			30.06	70	65	63		"	"	—	2	
10				"	Calm.	0			30.06	70	61	61		"	"	—	5	
11				"	"	0			30.07	68	60	60		"	"	—	5	
Mid.				"	"	0			30.07	68	60	60		"	"	—	5	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, August 30th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and cool. Slight passing rains first hour. Gentle and moderate breezes from W.S.W.

C. M. Fahs
Lieut., U. S. N.

4 to 8 A.M.

Cloudy first hour, then clearing. Gentle breezes from W.S.W. and West. Loosed sail to dry at 6:00. Received on Pay Sheet for issue 161 lbs. bread, 201¼ lbs. fresh meat, and 201¼ lbs. fresh vegetables.

F. R. Edwin, Ensign, U.S.N.

8 A.M. to meridian. Fair and pleasant; Gentle to moderate westerly breezes. At 9:30 mustered to quarters, no absentees; inspected by acting upt. Sail, Sunday, sail at 9:45. Sent liberty party to shore. The Commanding Officer assigned the following punishments:- J. Grady and R. White, 1st Class, 2 hours' extra duty; 2nd Class: C.W. Smith, H. Thayer, R. Sandland, J.M. Mauel, appeared Class neglect of duty, shirking work aloft. Two extra duty; and Edward Dowling and J. Holmes, appeared for returning from liberty drunk and W. Franks, appeared returning from liberty tight, in solitary confinement for 5 days on bread and water. American yacht "Magara" moored to S.S. of the ship at 12.

Raeph Earle,
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy with passing rain squalls during second hour of watch. Gentle to light breezes from N. to N.W. to West. F. F. Gary (Ch. Gnr.) went on three days leave of absence. The German steamer "Kaiser Wilhelm der Grosse" sailed at 12.30. T. Ockleton (Cdt.) returned from seven days leave of absence. The following men went on three days leave each: J. Olsen (B.M. 2 cl.), E. Dunham (Cox.), C. A. Jones (Gnr. 3 cl.), M. Anderson (B.M. 2 cl.), J. Davis (Q.M. 3 cl.); and C. T. Merchant (Q.M.) and J. Speers (Ch. Mech.) went on two days leave each. Sent all boats out for exercise under oars.

C. M. Fahs
Lieutenant U. S. N.

4 to 8 P.M.

Fair to cloudy and pleasant. Moderate to light N.W. breezes.

Raeph Earle,
Ensign U.S.N.

8 P.M. to Midnight.

Fair and cool. Light breezes from N.W. first hour. Calm.

C. M. Fahs
Lieutenant U. S. N.

Examined and found to be correct.

E. F. Leiper
Lieutenant U. S. N. Navigator.

LOG of the UNITED STATES Training Ship Essex, Third Rate,

At anchor in Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				NW.	W.NW.	1			30.07	67	64	63		b.w.	none	—	—	
2				W.NW.	"	2			30.07	67	64	64		"	"	—	—	
3				"	"	1			30.08	67	64	64		"	"	—	—	
4				W. by N.	"	1			30.08	67	64	64		"	"	—	—	
5				South	W.SW.	1			30.08	65	64	64		b.c.	ci.cu	—	3	
6				SE. by S.	"	0-1			30.06	63	64	64		b.o.m.	"	—	3	
7				South	"	0-1			30.07	66	64	62		b.c.	ci.s.	—	5	
8				W. by S.	W. by S.	1			30.08	66	64	63		"	a. cu.	—	5	
9				"	West	3			30.07	67	66	64		"	cu.n.	—	8	
10				W. by N.	"	3			30.08	68	66	64		b.c.p.	"	—	9	
11				"	"	3			30.08	70	66	64		o.c.p.	"	—	9	
Noon.				"	"	3			30.07	73	66	64		b.c.	"	—	8	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 74-73 70-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 133 " 70 "

P. M.																		
1				W. by S.	W. by S.	3-5			30.05	74	68	65		o.c.	a.s. cu.	W.	10	
2				W. by W.	"	3.5			30.05	77	67	64		b.c.	a.s. cu.n.	"	9	
3				"	W. by W.	4.6			30.03	76	68	65		"	cu.n.	"	6	
4				W. by W.	"	4.6			30.02	75	67	65		"	"	"	7	
5				"	"	4.5			30.00	73	66	64		"	"	"	7	
6				S.W.	W.	3			30.00	73	65	65		"	"	"	9	
7				"	"	3			29.96	72	65	65		"	"	"	9	
8				W.	"	4			29.95	72	65	65		"	"	"	9	
9				West	West	3			29.94	69	64	63		b.o.l.	"	"	7	
10				W. by N.	"	3-4			29.92	67	64	63		"	"	"	4	
11				NW. by W.	"	3.5			29.91	68	63	62		"	"	"	2	
Mid.				"	"	3.4			29.92	67	62	61		"	"	"	4	

4—2 5

under the command of Commander Frank Curtis, U. S. Navy,

Thursday August 31st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light W. N. [redacted]. At 1, American line steamer New York came into the Water and proceeded to her dock.

Ensign U. S. N.

4 to 8 A.M.

Fair and pleasant. Calms to light W. NWly. airs. Received in Pay Dept. 161 lbs. of fresh bread and 201¼ lbs. each of fresh meat and vegetables. Yacht "Niagara" went up to the Southampton docks.

Ralph Earle,
Ensign U. S. N.

8 A.M. to Meridian.

Cloudy and cool. Gentle breze from West. At 9.30 inspected at quarters Exercised the Apprentices at Company Drill. Sent Liberty party of apprentices on shore. W. T. Manning (S.C. 1cl.) left the ship on three days leave of absence.

C. M. Fahs
Lieutenant U. S. N.

Meridian to 4 P.M.

Cloudy and cool. Gentle to fresh breze from W. by S. and W. NW. Barometer falling slowly. Exercised the Apprentices in the cutters under oars. Castle Line steamer came into port. Ships riding to the wind throughout the watch.

Ensign U. S. N.

4 to 8 P.M.

Cloudy and cool. Stiff to gentle breze from W. NW. to S. W. Ensign W. J. Mannix and Chaplain F. A. Gill, returned from leave.

C. M. Fahs
Lieutenant U. S. N.

8 P.M. to Midnight.

Cloudy and cool. Gentle to stiff breze from West. Barometer falling.

Ensign U. S. N.

APPROVED.

Frank Curtis
COM'D'R., U. S. N., COM'D'G.

Examined and found to be correct.

F. F. Lemon
Lieutenant U. S. N. Navigator.

LOG of the UNITED STATES Training Ship Essex Third Rate,

At anchor in Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 1-8.	State of the Sea.
A. M.																		
1				W. N W.	N W.	3			29.92	70	61	60		b.c.	ci.	W.	3	
2				"	"	3			29.92	69	61	60		"	"	"	2	
3				West	W. N W.	2			29.92	69	60	60		"	"	"	1	
4				W. by W.	"	2			29.91	70	59	60		"	ci. cu.	"	3	
5				W. by S.	West	2			29.90	68	59	59		"	"	—	4	
6				S. by W.	"	3			29.90	63	59	59		"	"	—	4	
7				S by W.	"	3			29.90	64	60	60		"	"	—	5	
8				"	"	3			29.90	64	62	61		"	"	—	6	
9				W. by N.	W. by N.	3			29.92	67	64	63		"	s. cu.	—	5	
10				N W. by W.	N W. by W.	3			29.93	71	64	63		"	ci. cu.	—	6	
11				"	"	3			29.94	74	69	65		"	"	—	6	
Noon.				N W.	W. N W.	3			29.96	76	69	65		"	"	—	6	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Hfl.

Position at noon: { Latitude by observation ° ' " 74-72 71-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 132 " 1410 "

P. M.																		
1				N W.	W. S W.	4			29.95	75	70	66		b.c.	ci. cu.	—	7	
2				West	"	4			29.95	75	70	67		"	"	—	7	
3				"	"	3			29.96	75	71	67		"	cu. m.	W.	7	
4				S W. by W.	"	2			29.94	74	69	68		b.c.p.	"	"	7	
5				W. S W.	"	3.4			29.93	69	68	65		b.c.	ci. s.	"	5	
6				"	"	3			29.92	68	67	65		"	cu. m.	"	7	
7				S by W.	"	2			29.92	68	65	64		o.c.	"	"	10	
8				S. by E.	West	2			29.92	66	65	64		"	"	"	10	
9				S W.	W. S W.	1			29.92	65	63	63		o.c. cu.	"	—	10	
10				West	"	1			29.92	65	63	63		"	"	—	10	
11				W. N W.	West	1			29.93	64	63	63		o.c.p.	Ar.	—	10	
Mid.				N W. by N.	"	1			29.93	64	60	60		"	"	—	10	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, September 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Gentle breeze from NW. and light breze from N. NW. Barometer steady. Moon rose about 1.30.

W. J. Marion,
Ensign U. S. N.

4 to 8 A.M.

Cloudy and cool. Gentle breze from West. C. B. Reiff (Appr. 3 class) returned on board 14 hours over his libety. Received in Pay Dept. for crew, fresh provisions as follows:- 161 lbs. bread, 20 1/4 lbs. beef, 20 1/4 lbs. vegtables.

C. M. Jahn
Lieutenant U. S. N.

8 A.M. to Noon.

Fair and pleasant. Gentle breze from West and NW by W. Barometer rising. At 9.30 mustered at quarters no absentees. At 9.40 called away boats Arm and Away crews all boats reported ready in 9 minutes, after which exercised boats under oars and sail by signal from ship. Cleaned and disinfected bilges and made weekly test of magazine flood cocks, and found them in good condition. The Commanding Officer awarded the following punishments: Cox, E.P. Derrick, L.G. Theichell C.M. Mullen, C.D. Kopp, J.B. and Berry, R.J. Apprentices 3rd class, Noisy and disorderly on gun deck, 16 hours extra duty each: Jedlicka, A. and Siromis, L.E. Apprentices 3rd class, Neglect of duty and skulking from boat falls, 8 hours extra duty each: Dwyer, J. Apprentice 3rd class, Neglect of duty and skulking from boat falls and continually dirty, 4th class conduct: Geary, J.J. and Arbuckle, H. Apprentices 3rd class: Failing to clean gun deck, 8 hours extra duty each: Macfeat, T. Apprentice 3rd class, Noisy and provoking language at mess table, 8 hours extra duty: O'Neill, H.D. Apprentice 3rd class, Failing to relieve log on watch at proper time, 8 hours extra duty: Reiff, C.B. Apprentice 3rd class, 13 hours over leave, 4th class conduct: Kirk, E.J. Brown, C. Linde, J.C. Dwyer, T. and Grant, E.D. Apprentices 3rd class, Continually dirty at quarters: 32 hours extra duty: Rees, A.C. Apprentice, 3rd class, Smoking on both deck, 8 hours extra duty, Hamburg American Line steamer Columbia, came into entrance of Southampton Water at noon. Castle Line steamer came in and left port. British Torpedo boat No 27 came into port.

W. J. Marion
Ensign U. S. N.

Meridian to 4 P.M.

Generally clear and pleasant, with passing showers during last hour. Moderate to light breeze from N. NW. Barometer steady. At 2.00, G. H. Case (Gyo. 2cl.) left the ship, having been granted a leave of absence for three days. Exercised at sending up and down royal yards. Received on board in the Equipment Department 100 fathoms 4 1/2" manilla, and 120 fathoms 5" manilla rope, 30 yds. cotton parcelling, 25 lbs. light rigging leather, 12 lbs. bellows leather, 100 fathoms wire rope 2 1/4", and 20 fathoms wire rope 1 1/2"; and in the Construction Department, 3 gallons Damar varnish, all from Messrs. Bell Bros. and Thomson of Southampton.

W. J. Marion
Ensign U. S. N.

4 to 8 P.M.

Cloudy and cool. Moderate to light N. NW. and West breze. Barometer falling first two hours, steady last two. Ch. M. Crawford (B.M. 1cl.), J. Olsen (B.M. 2cl.), Ch. J. Merchant (F.M.M.) and J. Speers, (Ch. Mach.) returned from leave of absence.

W. J. Marion
Ensign U. S. N.

Examined and found to be correct.

8 P.M. to Midnight.

Overcast and cloudy, heavy dew first half, light passing showers last two hours. Light airs from N. NW. and West. Barometer rising.

F. F. Leeper Lt.
Navigator.

W. J. Marion,
Ensign U. S. N.

LOG of the UNITED STATES Training Ship Essex Third Rate,

At anchor in Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 1-8.	State of the Sea.
A. M.																		
1				NW. by N.	W. NW.	1			29.91	64	61	61		b.c.	cu.m	W.	6	
2	4	0	Commenced	NW.	"	2			29.90	63	61	61		"	"	"	6	
3			heaving to	West	"	2			29.89	63	60	60		"	"	"	6	
4				NW. by W.	"	2			29.88	63	61	61		"	s.cu.	"	8	
5				W. by S.	West	2			29.89	64	61	60		"	"	—	6	
6				"	"	2			29.89	64	60	60		"	"	—	6	
7				S. by W.	"	2			29.89	65	62	62		"	a.cu.	—	5	
8				South	"	3			29.90	68	65	63		"	"	—	5	
9				SW.	NW. by W.	3			29.92	67	66	64		"	ci.cu.	NW	5	
10				W. NW.	"	2			29.93	73	67	64		"	cu	"	5	
11				W. by N.	W. by S.	3			29.93	74	68	65		"	"	W.	5	
Noon.				"	"	3			29.94	77	70	67		"	"	"	6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For. Apt.

Position at noon: { Latitude by observation ° ′ ″ 73-72 69-67
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 131 " 1850 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 1-8.	State of the Sea.
P. M.																		
1				W. x N.	W. x S.	3			29.94	77	70	69		b.c.	cu.m	W.	8	
2				N. W.	West.	3			29.94	79	71	67		"	"	"	8	
3				W. x N.	W. x N.	4			29.94	79	68	65		"	"	"	9	
4				W.S.W.	"	4			29.95	79	67	65		b.c.p.	"	"	9	
5				"	West	3			29.95	76	67	65		"	"	"	7	
6				W. x S.	"	2			29.96	73	65	65		"	"	—	5	
7				S.W.	W.S.W.	1			29.97	71	64	63		b.c.p.	"	—	8	
8				S.S.E.	"	1			29.98	71	63	63		b.c.p.	"	—	9	
9	10		Commenced	Laying to	South	1			30.00	70	61	61		b.c.	"	—	4	
10				W. x N.	S.W.	1			30.00	63	60	60		b	None	—	0	
11				N.W.	"	1			30.02	63	60	60		"	"	—	0	
Mid.				"	"	1			30.02	63	60	60		"	"	—	0	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, September 2nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends until 4 A.M.

Cloudy and cool. Light airs to light breze from W. by N. Barometer falling. Moon rose at 2.40.

F. R. Baldwin
Ensign U.S.N.

4 to 8 A.M.

Cloudy and cool. Light to gentle breze from West. Barometer steady. Received in Pay Dept. for issue to crew, following fresh provisions 161 lbs. bread, 200 lbs vegetables. Seattle Line steamer proceeded up to the dock. Lieut C. M. Fahs, U.S. Navy, was granted 6 days leave of absence.

W. J. Marion
Ensign U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle and light breeze from N.W. by W. and gentle breze from W. by S. Barometer rising slowly. Absentees at 9.30, D. McKeown (L.S.M. 1cl.) W.E. Gundrey (L.S. & 4cl) and W. Preston (Ord.) At 8.45 started fires under boiler "A" for auxiliary purpose. At 10.00, the American yacht Niagara, anchored to the Eastward of this vessel. Anchored. The Commanding Officer awarded the following punishments: A. W. Kyle, Apprentice 3rd class, making noise on gun deck, 16 hours extra duty. C. P. Cox, Apprentice 3rd class, using threatening words to Master at Arms, 3 days double time. C. P. Cox, App. 3rd class was accordingly confined in double irons for three days.

W. J. Marion.
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy. Gentle to moderate breeze from W. by S. to W. by N. Raining for a few minutes at 3:30. The "New York" left the harbor at 12:30. D. McKeown (L.S.M. 1.C.) returned from liberty 5½ hours overtime. J. S. Gary (Ch. Gyo.) returned from leave. H.M.S. Australia came in and picked up her moorings. R. Restad (L.S.M. 3.C.) went on three days leave. Began to distill at 1:30.

F. R. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Overcast cloudy, with passing showers. Gentle and light breezes from West and light airs from W.S.W. Barometer rising slowly. P.H. Calhoun (A.S.C.) returned on board from hospital in Plymouth. M. Anderson (C.M. 2.C.), J. Nevis (C.M. 3.C.), E. Dunham (Cox), and C.R. Jones (Gun 3.C.) returned on board from leave of absence.

W. J. Marion.
Ensign, U.S.N.

8 P.M. to Midnight

Clear and cool. Bright starlight. Light airs from W.S.W. and S.W. A. Connally (S.C. 2.C.) returned from 3 days leave.

F. R. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. F. Looper.
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At anchor, Southampton, England

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as to fair.	State of the Sea.
A. M.																		
1				N.W. x N.	Calm	0			3005	60	55	56		bw.	mne		0	
2				"	"	0			3007	63	55	56		"	"		0	
3				N.W.	"	0			3009	63	55	56		"	"		0	
4				W. & W.	"	0			3010	62	55	56		bcw.	cu.		1	
5				South	"	0			3011	61	55	55		"	"		1	
6				"	W. & W.	0-1			3013	61	56	56		"	"		1	
7				S. S.W.	"	0-1			3015	61	60	59		bc.	"		1	
8				S. E.	Calm	0			3017	67	70	69		"	c.cu.		1	
9				S. x W.	W. & W.	2			3020	70	72	71		"	cu.		3	
10				"	"	2			3023	73	73	71		"	"		4	
11				"	"	2			3024	76	73	71		bcm	S.cu.		6	
Noon.	1.5	Swinging to ebb.		South	"	2			3024	76	75	72		bc.	"		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Apt.

Position at noon: { Latitude by observation ° ′ ″ 72-71 68-67
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 130 " 490 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as to fair.	State of the Sea.
P. M.																		
1		Finished swinging to ebb		W. x N.	W. & W.	8			3024	74	72	70		bc.	S.cu.		7	
2				N. W.	"	9			3025	74	72	70		"	"		7	
3				S.W. x S.	"	2			3025	74	73	70		"	"		2	
4		Swinging to flood		"	"	2			3025	74	73	70		"	"		2	
4.25		Finished swinging		S. x W.	S. W.	1			3026	74	70	69		"	"		2	
6				S.W. x S.	"	2			3026	74	68	68		"	"		2	
7				S. W.	"	1			3028	70	66	66		"	"		3	
8				South	"	1			3028	70	64	64		"	"		2	
9				S. E.	"	1			3028	67	63	63		b.	none		0	
10				"	Calm	0			3028	67	62	63		bw.	"		0	
11				"	"	0			3028	67	63	63		"	"		0	
Mid.				East	"	0			3028	65	63	63		"	"		0	

4.25

18

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, September 3rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear, cool and calm. Barometer rising.

Ralph Earle,
Ensign, U. S. N.

Moon rose at 3:40.

4 to 8. A.M.

Fair and pleasant, with heavy dew first two hours. Calms and light airs from W. S. W. Barometer rising. Received in the Dep't of Supplies and Accounts for use of the crew, the following fresh provisions:- 161 lbs. bread, 201½ lbs meat, and 201½ lbs vegetables.

W. J. Hamon,
Ensign, U. S. N.

8 A.M. to Meridian.

Clear and pleasant. Light breeze from W. S. W. Barometer steady. Held preliminary quarters for inspection at 9:15. At 9:30 called "all hands to muster" and published Articles for the Government of the Navy. Then held General Muster. Absentees: W. A. Gundery (S.C.4.c), and W. Preston (Edo.), both absent over liberty. The Chaplain held divine services. The Condy Officer (Executive Officer) awarded punishments as follows: D. McKeown (O.M.1.c.), 5 hrs over liberty - 2nd Class Conduct. L. C. Strut (A.S.C.) and W. O. Jeter (A.S.C.) no grommets in caps at quarters - 4 hrs. extra duty each. C. D. Mullen (A.S.C.) shoes not blacked at quarters - 4 hrs extra duty. J. A. Manning (S.C.1.c.) returned from leave.

F. P. Baldwin Ensign, U. S. N.

Meridian to 4 P.M.

Cloudy to fair and pleasant. Light to gentle W. S. W'ly breezes. Swing to ebb 12 to 1. The following men left ship on 3 days leave:- J. Meagher, G.M.1.c., A. McGregor, B.M.2.c., F. W. Clark, C.M.3.c., E. W. Whitehead, Sea., A. P. Gilson, B.M.2.c., J. L. Bigham, Cox., J. Delaney, M.A.A.2.c.; and A. L. Ruck, Mach.1.c., on two days leave.

Ralph Earle,
Ensign, U. S. N.

4 to 8. P.M.

Clear and pleasant. Light airs to light breezes from S. W.

F. P. Baldwin Ensign, U. S. N.

8 P.M. to Midnight.

Clear and cool. Calms to light S. W'ly airs.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
2:15 Swinging to ebb																		
1				N. W.	Calm	0			30.28	70	62	60		bw	None		0	
2				"	"	0			30.28	68	62	60		"	"		0	
3				N. N. W.	S. E.	1			30.27	67	60	60		"	"		0	
4				Commenced Swinging to flood	"	1			30.26	66	60	60		"	"		0	
5				S. E. x S.	"	1			30.24	63	59	60		"	"		0	
6				S. x E.	N. W.	1			30.23	63	59	60		bwf	"		0	
7				S. x W.	East	1			30.23	63	59	60		"	"		0	
8				N. E.	N. E.	0-1			30.22	67	69	68		bm	"		0	
9				S. E.	"	1			30.23	70	69	68		"	"		0	
10				S. E. x S.	S. E. x S.	3			30.22	71	71	69		b	"		0	
11				"	"	2			30.22	74	71	69		"	"		0	
Noon.				South	"	2			30.22	74	71	69		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft
Longitude by ° ′ ″ 73-72 69-67

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 45-0 gallons.

Water distilled during the preceding 24 hours, 15-00 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 128 " 1870 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1				Swinging to ebb S. E.	S. E.	2			30.21	74	71	69		b	None		0	
2				North	"	3			30.20	75	71	68		"	"		0	
3				N. x E.	"	3			30.20	77	73	70		bc	cc		1	
4				Commenced Swinging to flood N. W.	"	3			30.19	77	73	70		"	"		2	
5				S. x E.	"	2			30.14	75	72	69		"	"		2	
6				S. E. x E.	"	1-2			30.16	73	71	68		"	"		2	
7				S. S. E.	"	1-2			30.15	72	69	67		"	"		4	
8				S. E.	"	1			30.14	72	67	66		"	cc-cu		4	
9				"	"	1			30.14	70	67	65		b	None		0	
10				"	"	1			30.13	67	66	65		bw	"		0	
11				Swinging to ebb "	"	2			30.12	67	66	65		"	"		0	
Mid.				N. N. E.	"	2			30.10	64	64	64		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, September 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and damp. Calms and light variable airs. Barometer steady. At 12:50 swung to ebb tide.

Ensign, U.S.N.

4 to 8 A.M. Clear and pleasant first hour. Fog set in at 5:15. Light variable airs. Commenced to swing to flood at 4:00, finished at 4:30. Fog lifted at 6:50. Received in Pay Dept for issue 20½ lbs. fresh meat and vegetables, 161 lbs fresh bread. C. H. Cade (Yeo. 2.C.) returned from three days leave.

Ensign, U.S.N.

8 A.M. to Meridian. Clear and pleasant. Light N.E.ly airs first hour, followed by light to gentle S.E. by S.ly breezes. The Captain returned from leave of absence. At 9:00 mustered at quarters:- absentees: W. A. Cundrey, S.C. 4.C., W. Preston, Lds., W. J. Hogan, Lds., and E. Watts, Shipwright. Exercised all boats under oars and sails. By order of the Comdy Officer released T. J. Howling, P.C. Franks, and J. Holmes 2d from confinement, their terms having expired. The Comdy Officer called officially on the Comdy Officer of H.M.S. Australia. Lieut. C. C. Wright left the ship on three days leave of absence.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M. Clear and pleasant. Light to gentle S.E. breeze. Barometer falling slowly. At 1:20 exercised with light yards. Received in Dept of Supplies & Accounts, following Stores:- 2400 lbs sugar, 400 lbs coffee, 150 lbs dried apples, 500 lbs dried peaches, 640 lbs beans, and 3920 lbs flour. The Captain renewed the appointments of the following men W. Lault, Ch. Q.M., Julian Delorey, M.A. 2.C., J. Grady, B.M. 2.C., and E. A. Thornette, Yeo 3.C. from the following dates: July 2d '99, July 11th, Sept. 4th, and May 30th '99, respectively. Swung to ebb tide between 12:30 and 1:15.

Ensign, U.S.N.

4 to 8 P.M. Fair and pleasant. Light S.E.ly airs and breezes. Swung to flood 4:00 to 4:30. Comdy Officer of H.M.S. Australia returned the call of the Comdy Officer.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight. Clear, hazy around horizon. Damp. Light S.E. airs. Barometer falling. Started to swing to ebb at 11:10. Stopped distilling at 10:45 and allowed fires to die out.

Ensign, U.S.N.

Examined and found to be correct.

F. T. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At anchor, Southampton, England

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1:20	Smoked during ng to clr bull			N. E.	Calm.	0			30 08	67	65	64		bcw	None		0	
2				N. W.	N. E.	2			30 07	66	64	64		bcw.	cu-n		6	
3				N. W. x N.	"	2			30 07	66	65	64		"	"		6	
4						1-2			30 06	66	65	64		bcm.	"		4	
5				S. E. x S.	S. E.	1			30 04	69	67	66		"	"		6	
6				S. S. E.	"	1			30 04	71	69	66		"	"		6	
7				"	"	1			30 07	77	71	68		"	a-cu		5	
8				"	"	1			30 08	74	71	69		"	a-cu		5	
9				S. E.	"	1			30 08	74	73	71		"	"		3	
10				S. E. x S.	"	1			30 10	81	78	74		bc.	cu.		8	
11				South.	W. S. W.	1			30 10	80	77	74		"	B-cu		3	
Noon.				S. W. x S.	West	1			30 10	82	81	75		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ For. Sea.

Position at noon: { Latitude by observation ° ′ ″ 74-72 67-68
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 10 lbs.

Coal remaining on hand at noon, 127 " 1360 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1:20	Cunning to clr			N. W. x W.	West.	1			30 11	84	82	75		bc.	B-cu		3	
2				W. N. W.	"	1			30 11	84	82	75		"	"		3	
3				N. W.	"	1			30 11	82	78	74		"	"		3	
4	Black low under					3			30 11	80	77	73		"	"		6	
5				S. " x W.	W. S. W.	3			30 11	77	72	70		"	"		6	
6						3			30 11	72	71	70		"	"		6	
7				S. " x E.	"	1			30 11	72	68	66		bcw	"		6	
8					Calm.	0			30 11	71	67	65		"	a-cu		5	
9				S. " E.	"	0			30 11	71	68	67		bcuk	"		3	
10				"	"	0			30 11	70	67	67		bcw	"		3	
11:58	Cunning to clr			"	"	0			30 11	70	67	67		"	"		6	
Mid.				S. S. E.	"	0			30 11	70	67	67		"	"		8	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, September 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and damp. Calm and light airs and breezes from N. E. Barometer falling slowly. At 1:20 finished swinging to ebb tide.

W. J. Manion
Ensign, U. S. N.

4 to 8. A.M.

Cloudy to pleasant. Light S. E. ly airs. Loosed sail. Water boat came alongside and began to fill boilers with fresh water. Lowered smokestack. Received in Bay Dept. 201 ¼ lbs each of fresh meat and vegetables, and 161 lbs. fresh bread. Swung to flood 4:00 to 4:30.

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian.

Fair and warm. Light variable airs. Barometer steady. At 9:30 mustered at quarters, absentees: W. H. Gundry (S. C. 4 C.), W. Preston, (Eds), W. J. Hogan, (Eds), E. Watts (Ch. Wr.). After muster exercised all divisions at drills. At 11:00 British Torpedo Destroyer "Flyingfish" came into port, went out again immediately. At 11:30 furled sail. Commenced to swing to ebb tide at 11:30. P. A. Surgeon J. T. Leys, left the ship on three days leave of absence. Received in Equipment Dept. 850 gals. of fresh water for filling boilers.

Ensign, U. S. N.

Meridian to 4. P.M.

Fair and pleasant. Light airs and gentle breeze from West. Barometer steady. Exercised boats under sail for 1½ hours. Received in the Dept. of Supplies and Accounts 1190 lbs. biscuit. P. Rectad (Q.M. 3. C.), returned on board from leave of absence.

W. J. Manion,
Ensign, U. S. N.

4 to 8. P.M.

Fair and pleasant. Light W'ly airs and calms. Damp. Lightning W. N. W. last four. Barometer steady. Commenced to swing to flood tide at 4:40. W. Preston (Eds), and W. H. Gundry (S. C. 4 C.), returned on board from liberty 83½ hours overtime. O. L. Rusk (Mach. 1 C.) returned from leave of absence.

Ensign, U. S. N.

8 P.M. to Midnight.

Fair and pleasant, heavy dew. Calm. Barometer steady

W. J. Manion.
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leeper.
Asst. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, scale 10.	State of the Sea.
A. M.																		
1				N.N.W	Calm.	0			30 11	70	68	68		bmut	None		0	
2				"	"	0			30 11	69	68	68		"	"		0	
3				"	"	0			30 11	69	68	68		bmuth	a-cu		3	
4				"	N.N.W	1			30 11	69	68	68		bcmpt	"		3	
5				N.W x N.	"	1/1			3010	70	68	67		bcm	"		4	
6				S.E x S.	"	0-1			30 10	71	67	66		"	B-cu		6	
7				"	"	0-0			3011	72	68	67		ocmth	a-cu		8	
8				N.N.W.	"	1			30 12	72	67	67		ocmth	"		10	
9				North	"	2			3013	73	66	65		ocr	"		10	
10				E.S.E	North	4			3013	73	67	67		ocgr	"		10	
11				"	Variable	3-5			3010	75	68	67		ocpth	mm		10	
Noon.				N.E.	N.E.	3			3009	77	70	69		bct	a-cu		10	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp
Longitude by ° ′ ″ For. 0 Sfc

73-72 69-67

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 700 lbs.

Coal remaining on hand at noon, 127 " 460 "

P. M.																	
1			East.	E. x N.	1			3009	79	73	71		bc.	a-cu	E.	5	
2			N.W	N.W.	1			30 09	78	75	73		"	"	—	3	
3			N.W x N.	N. x W.	1			30 09	79	75	72		bcm.	cu.	N.W.	5	
4			"	N.W. x N.	2			30 09	78	76	73		"	cu-n	-	6	
5:35	Commenced hauling to sea		"	"	1			30 09	76	73	71		"	"	-	8	
6			S.S.E.	"	1			30 10	77	73	71		"	"	"	9	
7			"	"	1			30 11	76	72	71		"	"	"	7	
8			S.W.	"	1			30 11	76	72	71		bc	"	"	7	
9			W. x N.	W.N.W.	1			30 12	72	67	68		bcl.	"	—	6	
10			S.E x S	"	1			30 12	71	68	67		"	"	—	3	
11:50	Commenced hauling to sea		S.E.	"	1			30 11	70	66	66		"	"	—	2	
Mid.			S x W.	"	1			30 11	69	66	66		"	"	—	1	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, September 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Hazy and pleasant. Heavy dew. Calm and light N. N. W. by airs last hour. Distant thunder and threatening rain last hour. Started to rain at 3:45.

F. R. Belden Ensign, U. S. N.

4 to 8 A.M.

Cloudy & overcast. Thunder and lightning. Rainy last half hour. Light N. N. W. airs and calms. Barometer rising. Ash lighter came alongside at 6:20 and left at 7:30. Received on Dept. of Supplies and Accounts 201¼ lbs each of fresh meat and vegetables, and 161 lbs soft bread for issue to crew. North German Lloyd Steamer "Saale" came into port at 7:40. Owing to flood tide between 5:20 and 5:45.

W. J. Manion Ensign, U. S. N.

8 A.M. to Meridian.

Generally overcast; cloudy and rainy with thunder and lightning at intervals. Light breze from N. N. W., increasing to moderate breze from North, gentle to stiff brezes in squalls, and gentle brezes last hour from N. E. Barometer falling last half of watch. Absentees at 7:30 - F. Springstead (Fds), R. N. Hudson (A.S.C), W. J. Hogan (Fds), and E. Watts (Ship Wright), Unstructed apprentices of 1st d. watch in Ordnance and Gunnery and the port watch in knotting and splicing. At 11:30 F. Springstead (Fds) and R. N. Hudson (A.S.C) returned on board, each 4½ hours over liberty. The Condy Officer awarded the following punishments:- W. W. Crawford (B.M.1.C.) "Unfit for duty after returning from leave" - guaranteed for 3 months; T. Macfeat (A.S.C.), F. W. Kopp (A.S.C.), and A. E. Merrick (A.S.C) "Out of uniform at quarters" - 2 hours extra duty each; W. F. Foley (A.S.C) "No flat cap at quarters" - 2 hours extra duty; W. L. Preston (Fds) and W. H. Gundrey (S.C.4.C.), "83½ hours over leave and returning on board tight" - 5 days solitary confinement each, and W. L. Preston (Fds) and W. H. Gundrey (S.C.4.C.) were accordingly so confined. About 11:30 the English torpedo boat no 7 came into the harbor and went out at 11:45.

W. J. Manion. Ensign, U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Light airs from E. by N., N. W. and N. by W. Commenced to swing to ebb at 1:30. Finished at 2:00. Torpedo Boat 26 came in and left, and Destroyer #7 came in. Ward Room Officers of H. M. S. Australia called officially on the Ward Room. Sent all boats out for exercise under oars and sail. Received in Engineer Dept. 150 gals land oil. S. S. St Louis came in at 2:00. Sent boys over the masthead. Lieut. C. E. Wright, U. S. N., returned from leave. E. W. Whitehead (Clerk) returned from leave.

F. R. Belden Ensign, U. S. N.

4 to 8 P.M.

Generally misty and pleasant. Light airs from N. W. by N. Barometer rising slowly. The English Transport (No 1) "Llanvard" left the harbor with troops. The following men returned from leave: J. Meagher (B.M.1.C.), A. McGregor (B.M.2.C), F. W. Clark (C.M.3.C), A. P. Gibson (B.M.2.C), J. L. Bigham (Cox), and J. Delorey (M.A.A.2.C.).

W. J. Manion. Ensign, U. S. N.

8 P.M. to Midnight.

Clear and pleasant. Light airs from N. W. by N. and W. N. W. Heavy dew.

Examined and found to be correct.

F. R. Belden Ensign, U. S. N.

E. F. Lapsley Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, estimated.	State of the Sea.
A. M.																		
1				N. W.	W. N. W.	1			30 11	69	66	66		bcw.	cu. n	W.	4	
2				N. N. W.	"	1			30 10	69	66	66		"	cu. m	-	3	
3				"	"	1			30 10	69	65	65		"	"	-	2	
4				"	"	1			30 10	69	65	65		bcm.	"	-	2	
5	15			Commenced Lanyarding to fford. N. W. x N.	"	0-1			30 10	69	65	65		"	"	-	3	
6	14			Finished. N. W.	Calm.	0			30 10	69	64	64		of	St.	-	10	
7				S. E. x S.	"	0			30 11	71	65	64		"	"	-	10	
8				S. E.	"	0			30 11	72	65	65		"	"	-	10	
9				N. E.	"	0			30 11	76	72	72		"	"	-	10	
10				S. E.	"	0			30 13	76	72	72		"	"		10	
11				"	"	0			30 13	78	73	73		"	"		10	
Noon.				"	"	0			30 14	79	74	74		bcm.	cu		9	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Afc.

Position at noon: Latitude by observation ° ′ ″ 74-73 69-68
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 161 " 1800 "

P. M.	12	30		Sick wash														
1				Lanyarding to ebb. E. N. E.	N. W.	1			30 13	78	74	74		bcm.	cu. n	N. W.	8	
2				W. N. W.	"	3			30 13	77	73	73		bcmpt.	"	"	8	
3				"	North.	2			30 11	75	68	67		bcmpt.	"	-	7	
4				N. N. W.	Calm.	0			30 11	75	67	67		bcm.	"	-	7	
5	13			Commenced Lanyarding to flood. N. W. x N.	"	0			30 11	80	78	76		"	cu-cu	-	7	
6				W. N. W.	W. S. W.	1			30 11	80	75	73		"	"	-	5	
7				S. x E.	"	1			30 11	76	69	68		bc	cu	-	3	
8				S. E.	Calm.	0			30 11	75	67	67		bcl.	"	-	2	
9				E. S. E.	"	0			30 12	73	65	65		bw.	None	-	0	
10				"		0			30 12	71	64	64		"	"	-	0	
11				S. E.	N. W.	1			30 11	70	63	63		"	"	-	0	
Mid.				S. E. x S.	"	1			30 09	69	63	63		bcw.	ci.	-	1	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, September 7th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and cool. Light W. N. W. ly airs. Swung to ebb 12 to 12:30.

Ralph Earle,
Ensign, U. S. N.

4 to 8. A.M.

Generally overcast, misty and foggy. Light airs during first hour, calm rest of watch. Barometer steady. Received in the Dept. of Supplies and Accounts the following fresh provisions:- 155 lbs. bread, 201½ lbs. vegetables, and 201½ lbs. meat. Coal lighter made fast on port side at 7:55.

W. J. Marion,
Ensign, U. S. N.

8. A.M. to Meridian.

Foggy. Calm. Commenced coaling at 8:00. Contractors men putting coal in bunkers till 10:00 when turned to forecastlemen and foretopmen. Loosed sail to dry at 9:25. Yacht "Niagara" left at 10:30. Ward Room Officers called officially on H.M.S. Australia. Stopped coaling at 11:50, having taken in about 25 tons. Absentees at 9:30 A.M. J. O. Stenman (Tiler), P. Schiot (Painter), J. F. Hopkins (Sea), W. J. Hogan (Eds) and E. Watts (Shipwright).

K. P. Bluin Ensign, U. S. N.

Meridian to 4 P.M.

Cloudy to threatening weather. Calms to gentle variable breezes. At 2:00 furled sail. At 2:30 finished coaling having taken in 47 tons, 419 lbs. Nixon Navy coal. Swung to ebb 12:45 to 1:15.

Ralph Earle,
Ensign, U. S. N.

4 to 8. P.M.

Hazy and pleasant. Calm to light airs from W. S. W. Sent down topgallant yards and bent topgallantsails and royals at sunset.

K. P. Bluin Ensign, U. S. N.

8. P.M. to Midnight.

Clear and cool. Calms to light N. W. ly airs. Lieut. C. M. Fahs returned from leave.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Lucas.
Lieut. U. S. Navigator.

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

At anchor, Southampton, England.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning Fogs.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
1	Swinging to			N.W. x N.	N.W.	1			3008	71	63	63		bmw.	none.		0	
2	ebb 12.17 6.15			N.N.W.	Calm.	0			3008	73	62	62		"	"		0	
3				"	"	0			3008	73	61	61		"	"		0	
4				N.W. x N.	N.W.	1			3009	73	60	60		bamw	S.		2	
5				N.W.	"	1			3010	70	60	60		of.	"		10	
6	30 Swinging to flood			"	"	1			3011	68	62	62		"	"		10	
7				S.S.E.	Calm.	0			3012	69	63	63		"	"		10	
8				"	"	0			3012	69	63	63		"	"		10	
9				E.N.E.	North.	1			3015	72	70	69		bsm.	cu-s.		8	
10				East.	"	1			3016	72	70	68		"	cu.		7	
11				S.E.	N.W. x N.	1			3016	75	73	71		"	"		7	
Noon.				"	"	2			3018	77	73	69		"	"		6	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For Alt.
Longitude by ° ′ ″ 73-71 69-68

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 650 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 11900 "

Coal consumed during the preceding 24 hours, tons, 1765 lbs.

Coal remaining on hand at noon, 167 " 450 "

P. M.																		
1	1.30 Swinging to ebb			N.W.	N.W. x N.	2			3019	77	73	69		bsm.	cu.	N.	6	
2				N.E.	Calm.	0			3020	82	74	70		"	"	"	7	
3				N.N.W.	N.W.	1			3020	82	74	68		"	"	"	8	
4				"	"	1			3020	80	73	68		"	"	"	8	
5				"	North.	2			3021	79	72	68		"	F-cu	—	7	
6	5.30 Swinging to flood			"	"	2			3022	78	72	68		"	"	—	7	
7				E.S.E.	"	2			3024	72	69	66		"	"	—	7	
8				E. x S.	"	3			3025	71	67	64		"	cu-cu	—	5	
9				N.N.E.	"	3			3026	65	64	63		bc.	"	—	2	
10				"	"	3			3026	64	60	58		"	"	—	1	
11				E.S.E.	"	3-4			3027	64	58	56		"	"	—	8	
Mid.				"	"	3-4			3028	64	58	56		"	"	—	7	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Friday, September 8th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light airs from N.W. and calm at times.

C.W. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Hazy and overcast. Calm to light airs from N.W. At 5:00 crossed top gallant and royal yards. Received in Bkg Dept for issue 167 lbs bread, 20 1/4 lbs. each of fresh meat and vegetables.

J.R. Belden Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and very hazy. Light variable airs and breezes. P.A. Surgeon J.F. Leys, returned from leave. W.F. Hogan, Yeo., returned from liberty 100 hours overtime, and F.L. Robbins, C.P., 4 hours. L.M. Kelly, B.M.1.C., returned from leave. Absentees:- E. Watts, Shwr, J.F. Hopkins, Sea., P. Schiot, Painter, J.O. Stenman, Oiler, and O.L. Ruck, Mach.1.C., all over leave. Bent main topmast staysail. Cleaned ship. At 10:00 raised smokestack and lighted fires under "A" for distilling purposes. Received in Equipment Dept. 8 wardroom bath tubs.

Ragnew Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and hazy. Light breeze from N.W. by N., calm, and light airs from N.W. Barometer steady. Crew engaged in securing for sea. Stabled distilling into ships tanks at 3:25. The Chief Gunners Mate made regular weekly test of magazine flood and drain cocks, and found them in good condition, also tested life buoys and found them in good condition. Cleaned and disinfected bilges.

W.J. Mannon,
Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Light to gentle North by breezes. Swung to flood 6:30 to 7:00.

Ragnew Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and cool. Gentle to moderate breeze from North. J.O. Stenman (Oiler), returned on board 39 hours over leave; J.F. Hopkins (Sea), 39 hours over leave; P. Schiot (Painter), 39 hours over leave; and O.L. Ruck (Mach. 1.C.), 15 hours over leave.

C.W. Fahs
Lieut., U.S.N.

Examined and found to be correct.

P.F. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Southampton, England.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M. 8				Singing at club.														
1				North.	North.	3			30 29	68	58	57		bc.	ci.		4	
2				"	"	3			30 29	63	57	57		"	ci-cu		7	
3				N. N. W.	"	4			30 29	63	57	57		"	"		8	
4				"	"	3			30 28	63	58	57		"	"		7	
5				N. W. by N.	N. N. W.	3			30 28	63	58	57		"	"		6	
6				N. N. W.	"	3			30 31	63	58	56		"	a-ci		6	
7				Commenced leaving Southford N. by E.	North.	3			30 32	64	58	56		"	ci.		4	
8				N. E.	"	4			30 34	66	60	58		"	ci-cu		4	
9				North	"	4			30 36	72	63	59		"	cu.	N.	4	
10				Various	"	4			30 37	68	65	61		"	"	"	5	
11				"	N. N. W.	4			30 37	72	62	62		"	"	"	5	
Noon.				"	"	3			30 38	72	62	62		"	"	"	5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For. Alt.

Position at noon: { Latitude by observation ° ′ ″ 72-71° 69-68
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 15500 "

Coal consumed during the preceding 24 hours, 4 tons, 1390 lbs.

Coal remaining on hand at noon, 162 " 1900 "

P. M.																		
1	3	0	3.0	West.	North.	4			30 37	68	69	68	68	bc.	ci.	—	5	
2	9	2	12.2	"	N. by W.	4			30 37	69	69	68	68	"	"	—	5	
3	8	9	21.1	"	"	3			30 38	71	67	63	65	bcm.	N-cu	N.	2	
4	7	9	29.0	"	N. W. by N.	4			30 38	70	66	63	65	bc.	"	N.W.	1	
5	8	8	37.8	"	"	4			30 39	70	66	63	65	"	"	"	4	
6	8	7	46.5	"	"	4			30 39	68	65	62	65	"	"	"	4	
7	8	6	55 1	"	"	4			30 39	65	64	60	65	"	cu.	—	2	
8	9	2	64.3	"	N. N. W.	4	P.		30 42	71	62	60	65	"	"	—	1	
9	9	1	73.4	"	"	4	2°		30 43	72	62	60	65	b.	None.	—	0	
10	2	4	75.8	"	"	4	2°		30 46	74	61	60	64	"	"	—	0	
11	8	8	82.4	W. S. W. ½ W.	"	4	2°		30 46	74	61	60	64	"	"	—	0	
Mid.	8	0	91.2	"	"	3	1°		30 46	74	61	60	63	bc.	cu.	N.W.	1	
	8	0	99.2	"	"	3	1°		30 46	74	61	60	62	b.	None	—	0	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, September 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and cool. Gentle to moderate breeze from North. Barometer steady. Ebb tide.

W. J. Marion
Ensign, U. S. N.

4 to 8 A.M.

Fair and cool. Gentle breezes from N.N.W. to North. At 4:45 lighted fires under boilers B and C for steaming purposes. Answered ship, hove up stbd. anchor, and hove in 30 fms. on port chain. Started to swing to flood at 7:00.

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian.

Cloudy and cool. Moderate breeze from North to N.N.W. Hoisted in steam launch. At 9:30 mustered all quarters, absent ... on leave E. Watts (Shipwt.). At 10:00 got underway and stood down the Southampton Water and out into the Solent towards the Needles. Abreast of Yarmouth, I.W., at noon. Ships draught fwd 13'6", amidships 15'8", and aft 17'0". The Commander awarded the following punishments:- O. A. Stover (A.B.C.), and B. A. Szymkiewicz (A.B.C.), both for being noisy and disorderly on gun deck, 4 hours extra duty each. At 11:00 set jib, foretopmast staysail, main trysail and spanker. Av. steam 93.5, rev. 46.8. Pilot came on board at 9:00.

C. McFarlane
Lieut., U. S. N.

Meridian to 4 P.M.

Fair to clear and cool. Moderate to gentle breeze from North to N.W. by N. Barometer steady. At 12:40 pilot left ship. Put over patent log reading 0 and took departure from S.W. Shingle buoy and set course W.S.W. ½ W. At 12:50 pat. log reading 1.3 changed course to West (P.S.C.). At 2:04 Anvil Point was abeam pat. log 12.9. Sighted Shambles light vessel 2:45. 3:50 Portland light abeam. Pat. log 27.7, distant about 5 miles. At 3:53 Shambles light vessel bore N. 57° E. (P.S.C.) and Portland high light N. 5° E. (P.S.C.). At 1:10 set foresail and took it in again at 1:50. Set main topmast staysail and flying jib at 12:45 and took in flying jib at 3:00. Large fleet of English ships lying in Portland Roads. Av. steam pressure 204 lbs. Revolutions 47.5.

W. J. Marion
Ensign, U. S. N.

4 to 6 P.M.

Fair and cool. Moderate breezes from N.W. by N. Barometer steady. Exercised at fire quarters at 5:14. All divisions reported ready in 3 minutes, secured in 4½ minutes. Set up preventer fore topgallant backstay. Several steamers and sailing vessels in sight during watch. On course West (P.S.C.) under steam and following sail: fore and main topmast staysails, jib, main trysail, and spanker. Average steam pressure 51 lbs., av. revolutions 46.8.

W. J. Marion
Ensign, U. S. N.

6 to 8 P.M.

Clear and fine. Moderate breeze from N.W. by N. and N.N.W. On course West and under steam and sail, Boilers A, B, and C, jib, fore and main topmast staysails, trysail and spanker. At 7:30 set foresail. Sighted Start Point Light at 7:10 bearing about N.W. by W. ½ W. Passed a number of ships. Av. steam 50 lbs. Revolutions 46.7.

H. R. Baldwin Ensign, U. S. N.

8 P.M. to Midnight.

Clear and cool. Bright starlight. Moderate to gentle N.N.W. by breezes. At 9:17, Start Point light abeam distant 7½ miles, log 75.8 changed course to W. by N. ½ W. (P.S.C.). At end of watch on course W.S.W. ½ W. (P.S.C.) log 99.2, under steam and sail as in previous watch. Average steam 46.1. Average revolutions 46.2.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leffen,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.							P.											
1	7	6	6.8	W.S.W.½W.	N.N.W.	3	2°		30.46	74	61	60	62	b.	Nme.	–	0	l.
2	8	5	15.3	"	"	3	2°		30.46	74	62	61	62	bc.	S.cu.	N.	3	"
3	8	7	24.0	"	"	3	2°		30.46	74	62	61	62	"	"	"	4	"
4	9	2	33.2	"	"	3	2°		30.46	74	62	61	61	"	"	"	4	"
5	8	5	41.7	"	"	3	2°		30.46	66	62	62	62	"	"	"	4	"
6	7	3	49.0	"	N.W. by N.	3	3°	½	30.45	66	62	62	61	"	a.cu.	–	3	"
7	3	4	52.4	W.S.W.	"	2	2°	3/4	30.45	66	63	62	61	"	"	–	3	"
8	4	2	56.6	S.W.	N.N.W.	3	3°	½	30.45	65	63	62	61	o.c.	cu.s.	–	10	"
9	4	0	60.6	W.S.W. ⅛ W.	"	3	3°	½	30.46	67	65	63	62	"	"	N.W.	10	"
10	5	7	66.3	"	"	4	4°	½	30.47	67	64	63	62	"	"	"	10	"
11	4	6	71.9	"	"	4	4°	½	30.47	67	64	63	62	bc.	"	"	8	"
Noon.	5	6	77.5	W.S.W. ⅝ W.	"	3	4°	½	30.48	69	67	65	63	"	"	"	8	"

Position at 8 A. M. { Latitude by D.R. 49° 12' 00" N. Mag. Comp. Aft.
Longitude by Obs. 4° 57' 00" W. Var. Aft. 68-67

Position at noon: { Latitude by observation 48° 51' 57" N. 72-71
Longitude by observation 5° 22' 10" W.
Latitude by D. R. 48° 49' 00" N.
Longitude by D. R. 5° 22' 10" W.

Course made good since preceding ~~noon~~: 9:15 P.M. S. 42° W.

Distance made good since preceding ~~noon~~: 9:15 P.M. 100 miles.

Distance by Log since preceding noon: 177.5 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by D.R. 48° 10' 45" N.
Longitude by Obs. 6° 2' 27" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, 9 tons, 540 lbs.

Coal remaining on hand at noon, 153 " 760 "

P. M.							P.											
1	3	1	82.1	W. S. W.	N.W. by N.	3	3°	½	30.48	67	65	64	62	bc.	a.cu.	–	5	l.
2	5	6	87.7	"	"	4	4°	½	30.47	67	67	65	63	o.c.	a.s	–	10	"
3	7	2	94.9	"	N.N.W.	5	6°	½	30.47	67	67	65	64	"	"	–	10	"
4	7	1	2.0	"	"	5	6°	½	30.46	67	67	66	66	bc.	s.cu.	–	8	"
5	6	4	8.4	"	"	5	6°	½	30.45	67	67	66	65	o.c.	"	N	10	"
6	6	7	15.1	"	"	5	6°	½	30.45	68	66	65	67	o.cu.	"	"	10	"
7	6	4	21.5	"	"	5	6°	½	30.45	68	66	65	67	"	"	"	10	"
8	6	5	28.0	"	"	5	6°	½	30.45	67	65	65	67	o.cd	nim.	"	10	"
9	5	9	33.9	"	"	4	6°	½	30.49	67	65	65	67	"	"	–	10	"
10	6	1	40.0	"	"	4	6°	½	30.49	67	66	66	67	"	"	–	10	"
11	4	4	44.4	"	"	3	3°	½	30.49	70	67	66	67	bcw	c.cu	–	7	"
Mid.	4	6	49.0	"	"	4	4°	½	30.51	71	67	67	67	"	"	–	8	"

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, September 10th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Gentle breeze from N.N.W. Course W.S.W. ½ W. (P.S.C.). Under steam and all fore and aft sail save flying jib. Ship nearly steady. Av. steam 55. Rev. 44.5

C.M. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Clear to overcast and pleasant; Gentle to light breeze from N.N.W. and N.W. by N. Barometer steady. At 5:00 stopped firing in two boilers and allowed steam to go down. Set topsails. At 5:50 stopped engine and uncoupled screw, set topgallantsails, and at 7:45 set royals and flying jib. Course W.S.W. ½ W. Changed course at 7:55 to avoid a French fishing vessel. At end of watch under all sail save mainsail and royal course. Rev. 47.8 Steam 53. Sighted several sail during watch.

Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy first part, fair and pleasant afterwards. Gentle and moderate breezes from N.N.W. Barometer rising slowly. At 9:30 mustered at quarters (absentee, Ed. Watts Shipwright) after which the Chaplain held Divine Service. At 11:00 changed course to W.S.W. ¾ W. (P.S.C.). At 11:25 set clock back 10 minutes. Clewed up main royal for a few minutes to set up on main royal backstays, set royal afterward. Punishments awarded by the Condy Officer: M.C. Hamelson (Ck. 3.C.) and J.W.F. Kyle (A.3.C.), "out of uniform at quarters" - 4 hours extra duty each. Sighted several steamers and sailing vessels. At course W.S.W. ½ W. (P.S.C.) until 11:07, on course next half hour W.S.W. ¾ W., afterwards "full and by". Under all sail except mainsail during watch.

W.H. Mahon,
Ensign, U.S.N.

Meridian to 4 P.M.

Overcast and cloudy. Gentle to stiff breezes from N.W. by N. and N.N.W. Under all sail except mainsail. On course W.S.W. ½ W. till 2:18 when changed course to W.S.W. p.l. reading 79. Barometer falling slowly. At 3:05 took in royals and flying jib. At 1:40 sighted N.W. Ushant Light House. At 2:00 P.M. N. & Ushant Light bore S. 23° E. (P.S.C.) and S.W. Ushant Light House bore S. 14½° E. (P.S.C.) ship on course W.S.W. (P.S.C.). S.W. Ushant Light House distant 21 miles. Several sail in sight.

N.R. Baldwin Ensign, U.S.N.

4 to 6 P.M.

Cloudy to overcast. Stiff N.N.W. by breeze. Barometer steady. Ship pitching easily at times with heel of 6° to port. On course W.S.W. (P.S.C.) log 15.1 at end of watch. Under all sail to topgallantsails except mainsail.

Ralph Earle,
Ensign, U.S.N.

6 to 8 P.M.

Overcast with fine misty rain at times. Stiff N.N.W. breeze. Under all sail save royals and flying jib. Course W.S.W. (P.S.C.). Distilling. Ship nearly steady.

C.M. Fahs
Lieut., U.S.N.

8 P.M. to Midnight.

Generally overcast. Stars showing through at frequent intervals last hour. Moderate to gentle breeze from N.N.W. Barometer high and rising. Under all sail save royals, flying jib and mainsail, on course W.S.W. (P.S.C.). At 11:50 sighted light of steamer on port beam. Distilling. Ship rolling easily to sea on beam quarter. Max. roll 10° to port.

Ensign, U.S.N.

Examined and found to be correct.

P.F. Lester,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, marked.	State of the Sea.
A. M.							°											
1	4	1	53.1	W.S.W.	N.N.W.	3	3°	½	30 50	70	65	65	67	bcw.	S.cu.	N.	3	S
2	3	9	57.0	"	"	3	3°	½	3049	71	65	65	66	ocw.	"	"	10	"
3	3	7	60.7	"	N. x W.	3	2°	½	3048	71	65	65	66	"	"	"	10	"
4	3	0	63.7	"	N. x E.	2	2°	—	3047	71	65	65	66	"	"	"	10	"
5	2	4	66.0	"	"	2	2°	—	3047	72	65	65	66	"	"	—	10	"
6	2	0	67.2	"	"	2	2°	—	3047	71	66	65	65	oc.	"	—	10	"
7	1	3	68.1	"	"	2	2°	—	3047	71	66	65	65	"	"	—	10	"
8	1	4	68.1	"	N.W. x N.	2	1°	—	3049	68	66	66	65	"	"	—	10	"
9	0	8	68.4	W by S.	N.N.W.	1	1°	1	3049	69	67	66	65	bc.	a-cu	—	8	"
10	0	9	68.5	"	"	1	1°	1	3049	69	68	67	66	"	"	—	8	"
11	1	0	—	"	"	1	—	1	3049	68	67	66	66	"	"	—	3	
Noon.	8	3	—	"	"	0-1	—	2	3049	71	67	66	66	"	"	—	3	

Position at 8 A. M. { Latitude by L&R. 47° 36' 39" N Mag. Comp.
Longitude by Alt. 6° 38' 50" W For Aft. 47°31'4" N 73-72 69-68

Position at noon: { Latitude by observation
Longitude by observation
Latitude by D. R. 47° 33' 42" N.
Longitude by D. R. 6° 49' 10" W.

Course made good since preceding noon: S. 84° W.

Distance made good since preceding noon: 97 miles.

Distance by Log since preceding noon: 97.6 miles.

Current per hour: 0.2 miles, set S. 54° E. true.

Position at 8 P. M. { Latitude by L&R. 47° 5' 4" N.
Longitude by 7° 26' 45" W.

Variation of compass: 18° 50' W'ly.

Error of compass observed at 4:34 P.M. 24° 4' W'ly.

Deviation of compass on W by S. 5° 14' W'ly.

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 152 " 300 "

P. M.																		
1	0	6	00	W. by S.	N.N.W.	1			3049	71	68	67	66	bc.	cu.	—	3	S
2	0	6	00	"	"	1			3048	70	68	67	66	"	"	—	3	"
3	4	2	4.2	"	"	1			3045	70	68	67	66	"	a-cu	W.	4	"
4	6	1	10.3	"	"	1			3045	72	68	67	66	"	"	"	4	"
5	5	9	16.2	"	West	1			3045	72	69	67	66	"	"	—	5	"
6	6	7	23.9	"	"	1			3049	72	69	66	66	"	cu.	—	3	"
7	6	8	24.7	S.W. x W. ½ W.	Calm.	0			3044	70	67	67	67	"	"	—	3	"
8	7	0	36.7	"	E.N.E.	1			3043	71	67	67	67	"	s-cu	—	6	S
9	6	7	43.4	"	South.	2			3043	70	66	66	67	"	"	—	5	"
10	7	0	50.4	"	"	2			3043	70	66	66	67	"	"	—	8	"
11	7	0	57.4	"	"	2			3042	70	66	66	67	"	"	—	7	"
Mid.	7	0	64.4	"	"	3			3042	70	65	65	68	"	"	—	6	"

under the command of Commander Frank Curtis , U. S. Navy,

Monday, September 11th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally overcast, with heavy dew. Gentle breezes from N. N. W. and N. by W. - decreasing to light breeze from N. by E. Barometer falling slowly. About 12:45 sighted bright white (steamer) light one point on stbd. bow, and another white light two points on port bow. Under all sail except mainsail, royals and flying jib, on course W. S. W. (P.S.C.).

W. J. Marion,
Ensign, U. S. N.

4 to 8. A.M.

Overcast and cool. Light baffling breezes from N. by E. to N. W by N. On course W. S. W. under all sail to topgallantsails. Set royals and flying jib at 4:15 and took in main topmast staysail. Several sail in sight. Ambent main bysail and bent new one. Set main topmast staysail at 7:55. Finished distilling at 6:00 and banked fires in "A" Boiler.

H. C. Baldwin Ensign, U. S. N.

8. A.M. to Meridian

Cloudy first half, fair and pleasant last half. Calms to light N. W. & W. airs. At 8:45, log 68.4 changed course to W. by S. (P.S.C.). At 9:30 mustered at quarters, S. Watch Shipwt., absent over leave. Held routine divisional drills. Released from confinement, W. S. Preston, Fdsmn., and W. H. Sundrey, S.C.H.C., their terms having expired. The Comdg Officer assigned the following punishments:- E. E. Geer, and R. Perrins, A.S.C., disorderly conduct on both deck, 4 hrs. extra duty; W. H. Johnson and C. P. Cox, A.S.C., using hatch cover to sleep in, 4 hrs. extra duty; J. Cooksey, Fdsmn., A. Duncan, Fdsmn., and P. Anderson, S.C.H.C., coming on deck out of uniform, 3 nights extra lookout; W. J. Hogan, Fdsmn., 100 hrs over leave; and C. A. M. McCann, A.S.C., using filthy and obscene language, were each placed in solitary confinement for 5 days on bread and water. Took in spanker at 11:50. Ship rolling easily to swell on stbd. beam 8° port and 6° stbd., 6 times per minute. At end of watch under all sail to royals save mainsail and spanker, no steerage way.

Reynolds Earle,
Ensign, U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Light airs from N. N. W. Course W. by S. (P.S.C.). Under all sail save spanker. At 2:00 took in and furled all sail and at 2:17 started ahead with the engines on the course. Ship rolling 8° to port and 6° to stbd. at times - 6 times per minute. Steaming with two boilers. Exercised apprentices of watch below in knotting and splicing, and the watch on deck in learning the gear. A number of steamers in sight at times. Steam 42.5. Revolutions 36.7.

C. McFeeley
Lieut., U. S. N.

4 to 6. P.M.

Clear and pleasant. Light West by airs. Barometer steady. Steaming with fires under two boilers. Course W. by S. Rolling easily 8° to stbd. and 10° to port. At 5:15 mustered at quarters, E. Watch (blank) absent over leave. Large fleet of fishing vessels in sight. At 6:00 changed course to S. W. by W. ½ W. (P.S.C.). Steam 45 lbs. Revolutions 36.8.

W. J. Marion
Ensign, U. S. N.

6. to 8. P.M.

Fair and pleasant. Calm and light airs from S. W. & S. Barometer steady. At 7:45 sounded call for General Quarters. All divisions reported ready in 7 minutes, 5th division 2 minutes; Powder, 3; 2nd, 0; 4th, 6; 1st, 6½; 3rd, 7; Navigators, 4, secured in 4 minutes. Sighted a steamer on port bow about 7:50 - going to North-eastward. A fleet of fishing vessels in sight during watch. On course S. W. by W. ½ W. (P.S.C.) under steam alone, (using two boilers). Average revolutions 38.6, air steam pressure 47 lbs.

W. J. Marion.
Ensign, U. S. N.

8. P.M. to Midnight.

Generally cloudy. Light to gentle breezes from South. On course S. W. by W. ½ W. under steam on A and B. Boilers. At 8:30 set jib, fore topmast staysail, bysail and spanker, and at 11:30 set main topmast staysail. Passed two steamers and a number of fishing smacks. Ship rolling 11° stbd. 9° port in long swell from Westward, 5 times a minute. Gen. steam 45. Air pressure 39.

H. C. Baldwin Ensign, U. S. N.

Examined and found to be correct.
E. F. Leiper, Fleet Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Southampton, England, to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, observed.	State of the Sea
A. M.							S.											
1	7	8	71.7	S.W. ¼ W. ½ W.	S.S.E.	3	3°		30 41	69	66	66	68	bcw	a-cu.		7	S.
2	7	1	78.8	"	"	4	3°		30 38	69	67	66	68	"	"		7	"
3	7	6	86.4	"	"	4	4°		30 36	69	67	67	68	"	"		7	"
4	7	2	93.6	"	"	4	4°		30 35	70	67	66	68	ocw.	s-cu.		10	"
5	7	1	100.7	"	S.E. by S.	4	4°		30 33	70	67	66	68	"	"		10	"
6	7	8	8.5	"	"	4	4°		30 31	69	67	66	68	bc	"		9	"
7	8	1	16.6	"	"	4	4°		30 29	69	67	66	68	"	"		9	"
8	7	4	24.0	"	"	4	4°		30 29	68	67	68	68	"	"		9	"
9	5	5	29.5	"	"	4	4°		30 30	69	67	68	68	"	"		9	"
10	6	6	36.1	S.W. by W.	S.S.E.	4	4°		30 30	70	67	66	68	"	"		9	"
11	6	4	42.5	S.W. ½ W.	S. by E.	4	5°		30 27	71	68	67	67	oc.	"		10	"
Noon.	7	0	49.5	"	"	4	5°		30 27	72	69	67	67	"	"		10	"

Position at 8 A. M.: Latitude by D.R. 45° 67' 40" N. Mag. Temp.
Longitude by Obs. 8° 46' 43" W. For. Air 69-68

Position at noon: Latitude by observation 45° 35' 56" N. 73-71
Longitude by observation 9° 09' 53" W.
Latitude by D. R. 45° 33' 22" N.
Longitude by D. R. 8° 58' 61" W.

Course made good since preceding noon: S. 41° W.

Distance made good since preceding noon: 153 miles.

Distance by Log since preceding noon: 150.7 miles.

Current per hour: .33 miles, set N. 71° W. true.

Position at 8 P. M.: Latitude by D.R. 45° 4' 17" N.
Longitude by Obs. 7° 37' 15" W.

Variation of compass: from Chart 19° 15' W'ly

Error of compass observed at 4:45 P.M. 23° 39' W'ly

Deviation of compass on S.W. 4° 24' W'ly

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 5 tons, 1775 lbs.

Coal remaining on hand at noon, 146 " 765 "

P. M.							S.											
1	2	1	51.6	S.W. ¼ W.	S. by E.	3	4°	½	30 27	72	70	69	67	bc	s-cu.	W.	9	S.
2	4	7	58.4	S.W. ½ W.	S.E. by E.	3	4°	½	30 24	71	70	69	67	"	a-cu.	—	8	"
3	5	8	64.2	S.W.	"	4	6°	½	30 21	71	70	69	67	"	"	"	8	"
4	5	6	69.8	"	"	4	5°	½	30 21	70	69	69	67	ocd.	n.	—	10	"
5	3	6	73.4	S.W. ¼ W.	S.E. by E.	3	5°	½	30 19	71	69	69	67	bc	a-cu	—	8	"
6	2	5	75.4	"	"	2	5°	½	30 19	71	69	69	67	bcp.	cu-n	"	9	"
7	4	6	80.0	S.W.	"	3	5°	½	30 19	70	68	68	67	"	"	—	7	"
8	4	2	84.2	"	"	3	5°	½	30 19	72	68	68	67	bcw	cu	—	4	"
9	1	0	84.8	S.W. ¾ W.	S.S.E.	1	2°	½	30 19	71	69	69	67	"	a-cu	"	8	"
10	1	2	85.3	"	"	1	—	½	30 18	70	68	68	67	"	"	"	8	"
11	0	5	85.3	W.S.W.	South.	1	—	½	30 17	70	68	68	67	"	"	"	9	"
Mid.	1	1	85.3	S.W. by W.	S.S.E.	1	—	½	30 16	70	68	68	67	"	"	"	7	"

4—2 5

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, September 12th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy to overcast. Gentle to moderate S.S.E. by E breezes. Barometer falling. Ship rolling 9° stbd. and 7° port, 6 times per minute to swell on port beam. At end of watch on course S.W. by W. ½ W. (P.S.C.) log 93.6, under steam and all fore and aft sail except flying jib. Av. steam 48. Av. rev. 41.

Ralph Earle,
Ensign, U. S. N.

4 to 8 A.M.

Cloudy and cool. Moderate breeze from S. E. by S. Course S.W. by W. ½ W. (P.S.C.). Steaming under two boilers. Foresail and aft fore and aft sail set save flying jib. Ship about steady. Steam 48.2. Rev 41.6.

C. M. Fahs
Lieut., U. S. N.

8 A.M. to Meridian.

Overcast. Cool. Moderate breeze from S. E. by S. and S. by E. Barometer falling slightly. At 8:20 changed course to S.W. ½ W. at 8:30 made sail and uncoupled screw. Full and by first two hours, on course, S.W. ½ W. last two. At 9:30 mustered at quarters and exercised as per routine. At end of watch under all sail save mainsail on course S. Watts (Asst.) absent over leave. The Captain assigned the following punishment:- A. C. Martini (A.S.C.) Continually dirty and throwing clothes overboard, 4th Sunday. Sighted several sail.

W. F. Lewis
Ensign, U. S. N.

Meridian to 4 P.M.

Generally fair and pleasant, overcast and light drizzling rain last hour. Gentle breezes from S. by E. and S. E. by E. increasing to moderate breezes from S. E. by E. Barometer falling. Watch below drilled at knotting and splicing, watch on deck in running rigging and parts of sail. At 12:30 changed course to S.W. (P.S.C.). On course S.W. at end of watch under all sail except mainsail.

W. J. Marion,
Ensign, U. S. N.

4 to 6 P.M.

Generally cloudy. Light to gentle breeze from S. E. by S. Under all sail, close hauled on port tack making good about S.W. ½ W. Mustered at quarters at 5:15 and exercised at setting up drill. Ship nearly steady.

F. P. Leahy
Ensign, U. S. N.

6 to 8 P.M.

Cloudy, clearing last hour. Gentle S. E. by S. ly breezes. Barometer steady. Ship nearly steady with heel of 5° to stbd. At 7:40 took in royals and flying jib. At end of watch under all sail to topgallantsails save mainsail on course S.W. (P.S.C.) log 84.2.

Ralph Earle
Ensign, U. S. N.

8 P.M. to Midnight.

Cloudy and damp. Light airs from S.S.E. to South. All plain sail to topgallantsails except mainsail. Course S.W. (P.S.C.) but steering full and by. At 8:45 commenced distilling. Ship nearly steady.

C. M. Fahs
Lieut, U. S. N.

Examined and found to be correct.

F. F. Leahy,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from	Amount, scale 0-10.	State of the Sea.
A. M.																		
1	0	5	85.4	W. S. W.	S. S. E.	1		½	30.16	70	68	68	67	o.c.d.	m.		10	S
2	0	5	—	N. W. by W.	S. W.	1		½	30.16	70	67	67	67	b.c.	s.		8	"
3	0	6	—	N. W. by N.	Calm.	0		½	30.15	70	67	67	67	"	"		8	"
4	No discharge in log.		—		"	0		½	30.15	70	67	67	67	"	"		9	"
5	"	"	"	—	"	0			30.15	70	65	65	67	o.c.	m.		10	"
6	"	"	"	—	"	0			30.15	73	65	65	67	"	"		10	"
7	"	"	"	—	"	0			30.15	73	67	67	67	"	"		10	"
7.32 8	2	3	85.4 87.7	S. W. ½ W.	"	0			30.15	73	67	67	67	"	"		10	"
9	6	2	93.9	S. W. ¾ W.	N. E.	2			30.15	75	67	67	67	o.c.d.	"		10	"
10	6	7	0.6	"	"	2			30.17	75	67	67	67	"	"		10	"
11	6	8	7.4	"	S. E.	2			30.18	75	67	67	67	"	"		10	"
Noon.	6	8	10.4	"	Calm.	0			30.18	75	68	67	67	o.c.m.	"		10	"

Position at 8 A. M. { Latitude by DR: 44° 58' 45" N. Mag. Temp. Aft.
Longitude by DR: 9° 44' 15" W. For. Aft.

Position at noon: { Latitude by observation: - ° - ' - " 73-72 69-68
Longitude by observation: - ° - ' - "
Latitude by D. R.: 44° 36' 00" N.
Longitude by D. R.: 10° 00' 23" W.

Course made good since preceding noon: S. 31° W.

Distance made good since preceding noon: 70 miles.

Distance by Log since preceding noon: 70.4 miles.

Current per hour: - miles, set - true.

Position at 8 P. M. { Latitude by Obs.: 43° 67' 30" N.
Longitude by Obs.: 10° 54' 27" W.

Variation of compass: from chart: 19° 35' W'ly

Error of compass observed at 4:21 P.M.: 24° 6' W'ly

Deviation of compass on S. W. by W.: 4° 30' W'ly

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 2 tons, 620 lbs.

Coal remaining on hand at noon, 144 " 145 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from	Amount, scale 0-10.	State of the Sea.
P. M.	2	9	13.3	S. W. ¾ W.														
1	3	2	16.5	S. W. by W.	Calm.	0			30.17	76	68	67	67	o.c.m.	n.	—	10	S
2	6	9	23.4	"	S. E.	0-1			30.16	76	68	67	67	o.c.m.d.	"	—	10	"
3	6	3	29.7	"	"	1			30.16	76	70	67	67	b.c.	s.e.	—	8	"
4	6	6	36.3	"	East	2			30.15	78	70	68	67	"	"	—	8	"
5	6	7	43.2	"	"	2			30.15	77	69	69	67	"	c.m.	&	8	"
6	6	9	50.1	"	"	2			30.14	76	68	68	67	"	"	"	4	"
7	6	4	56.5	"	E. N. E.	2			30.15	76	68	68	67	"	"	"	7	"
8	6	9	63.4	"	N. E.	2			30.15	74	67	67	67	"	"	"	7	"
9	4	7	64.8 69.5	S. S. W. ½ W.	"	3			30.15	71	67	67	67	o.c.m.	s.e.	"	10	"
10	6	5	76.0	"	"	3			30.13	71	67	67	67	"	"	"	10	"
11	6	8	82.8	"	"	3			30.11	71	67	67	67	b.c.m.	"	"	8	"
Mid.	6	8	89.6	"	"	4			30.11	71	67	67	67	"	"	"	6	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, September 13th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast. Stars showing through second and third hours. Very light airs from S.S.E. to S.W. and calms. Barometer steady. Course S.W., but steering full and by under all sail save royals, flying jib, and mainsail. Hauled in patent log at 1:00. Distilling. Ship rolling slightly. Max. roll 5° to starb'd., 3° to port, about 7 per minute.

Wm. Bell
Ensign, U.S.N.

4 to 8 A.M.

Overcast, cloudy, and rainy. Calm. Barometer steady. Furled sail and got up steam under boilers A and B. Went ahead at 7:32 and put over patent log reading 85.4. Went ahead full speed at 7:40. On course S.W. ½ W. (P.S.C.) from 7:32. Average revolutions 34, average steam pressure 50 lbs.

W. J. Manion,
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and overcast with occasional drizzling rain. Calm and light breezes from N.E. and S.E. Under steam alone on course S.W. ¾ W. Boilers A & B. At 10:00 set jib and main trysail. Mustered at quarters at 9:30, no absentees. E. Watts (Shipwright) was this day declared a deserter. Punishment awarded by the Captain; R.B. Converse (A.S.C.) 4 hours extra duty for calling out from aloft. Av. steam 47. Av. revolutions 37.

A. L. Bolvin Ensign, U.S.N.

Meridian to 4 P.M.

Overcast first half, clearing last half. Calm to light airs and breezes from S.E. to East. Barometer falling. Ship rolling easily 4° each way, 6 per minute, to swell on port beam. At 12:20 hauled down jib and trysail. At 12:30, log 13.3, changed course to S.W. by W. (P.S.C.). Held routine 3rd period drills. Sold the effects of E. Watts, Shipt., a deserter, realizing ninety cents on the sale. At end of watch under steam on course S.W. by W. (P.S.C.), log 36.3. Average steam 43.8. Average revolutions 36.4.

Ralph Earle.
Ensign, U.S.N.

4 to 6 P.M.

Cloudy and pleasant. Light breeze from East. Under steam alone. Course S.W. by W. (P.S.C.). Ship steady. Steam 46.5. Revolutions 38.6.

Chas. Parks
Lieut., U.S.N.

6 to 8 P.M.

Fair to cloudy. Pleasant. Light breeze from E.N.E. and N.E. Barometer steady. Steaming with fires under two boilers. Rev. 39. Steam 47. Ship nearly steady, rolling about 3° each way occasionally, about 6 times per minute. Course S.W. by W. (P.S.C.).

Wm. Bell
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Bright moonlight at intervals. Gentle breezes increasing last hour to moderate breeze from N.E. Barometer falling slowly. On course S.W. by W. (P.S.C.) until 8:15, when changed course to S.S.W. ½ W. (P.S.C.). Moon set about 11:00. Under steam and following sail, jib, main trysail, and spanker, set at 8:30, fore topmast staysail, set at 9:13, and the foresail, set at 10:15. Greatest rolls noted 6° to starboard and 4° to port. Average steam pressure, 44 lbs., average revolutions 39.1.

W. J. Manion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lau[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Southampton, England, to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, about.	State of the Sea.
A. M.							S.											
1	6	7	96.3	S.S.W. ½ W.	E. N. E.	4	2°		30.05	71	68	68	67	bc.	a-cu cu.	E	8	8
2	7	4	3.7	"	"	4	2°		30.06	71	68	68	67	bcl.	"	"	9	"
3	7	4	11.1	"	"	4	2°		30.05	70	68	68	67	"	"	"	9	"
4	7	4	18.5	"	"	4	—		30.04	70	68	68	67	bcpl.	cu-n	"	9	"
5	7	1	25.6	"	"	4	—		30.04	71	68	68	67	bcl.	"	"	9	"
6	7	4	33.0	"	"	4	—		30.04	71	68	68	67	bc.	s-cu	S.W.	9	"
7	6	7	39.7	"	"	4	3°		30.05	72	68	68	67	"	"	"	9	"
8	6	2	45.9	"	"	4	3°		30.06	71	68	68	67	"	"	"	9	"
9	6	0	51.9	S.S.W.	N. E.	4	—		30.07	71	68	68	67	ocp.	cu-n	—	10	"
10	6	2	58.1	"	"	4	—		30.08	73	68	68	67	oc.	"	—	10	"
11	6	4	65.5	"	East.	4	4°		30.07	73	68	68	68	"	"	E.	10	"
Noon.	7	5	73.0	"	"	5	5°		30.08	73	69	68	68	"	"	"	10	"

Position at 8 A. M. { Latitude by LLR 42° 36' 6" N. Mag Temp
Longitude by LLR 11° 6' 27" W. For Aft
— ° — ' — " 74-73 70-69

Position at noon: { Latitude by observation
Longitude by observation
Latitude by D. R. 42° 11' — " N.
Longitude by D. R. 11° 6' 22" W.

Course made good since preceding noon: S. 14° W.

Distance made good since preceding noon: 15-6 miles.

Distance by Log since preceding noon: 160 miles.

Current per hour: — miles, set — true.

Position at 8 P. M. { Latitude by LLR 41° 18' 48" N.
Longitude by Alt. 11° 20' 36" W.

Variation of compass: from chart. 19° 00' W. Ly.

Error of compass observed at 5:55 P.M. 22° 40' W. Lg.

Deviation of compass on S.S.W. 3° 40' W. Lg.

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 6 tons, 2160 lbs.

Coal remaining on hand at noon, 137 " 225 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, about.	State of the Sea.
P. M.																		
1	6	9	79.9	S.S.W.	East.	5			30.07	73	69	68	68	ocd.	cu-n	Le.	10	S.
2	6	0	85.9	"	N. E.	5			30.07	75	69	68	69	bcd.	"	"	8	"
3	6	6	92.5	"	N. E. by N.	5			30.05	75	69	68	69	bc.	"	"	8	m
4	6	7	99.2	"	"	5			30.05	75	68	67	69	bcp.	"	"	8	"
5	6	8	106.0 2.3	"	"	5			30.04	72	67	67	69	bcpr	"	"	9	"
6	5	7	8.5	"	N. W.	4-5			29.99	69	65	65	68	ocpr	"	"	10	"
7	7	3	15.8	"	N. E.	5-6	8.		29.97	70	68	68	68	bcpr	"	"	9	"
8	6	6	21.8	"	East.	6	4°		29.93	70	68	68	68	bcl	"	"	8	"
9	4	7	26.5	"	E. S. E.	5	—	½	29.97	70	68	67	68	"	"	"	8	"
10	4	3	30.8	"	"	4	—	½	29.99	70	68	67	68	"	"	"	7	"
11	3	8	34.6	"	"	4	2°	½	29.99	70	67	67	68	"	"	"	6	"
Mid.	3	5	38.1	"	"	3	2°	½	30.00	71	68	68	68	"	"	"	5	"

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, September 14th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy. Moderate breeze from E. N. E. On course S. S. W. ½ W. under steam and sail. Boilers A & B, jib, fore topmast staysail, forecsail, trysail and spanker. Ship pitching easily and rolling in quartering sea 8° stbd. 6° port, 6 times a minute. Flashes of heat lightning to the Eastward during third hour. Av steam 47. Av rev 38.8.

J. F. Baldwin Ensign, U. S. N.

4 to 8 A.M.

Cloudy to overcast. Moderate E. N. E. to fresh breeze. Barometer rose slightly. Ship rolling 6 times per minute, 10° stbd. 6° port, to sea on port quarter. At 6:35 stopped engine, uncoupled screw, and made all sail to topgallantsails. Banked fires under boiler B and began distilling for ships tanks with boiler A at 6:40. At end of watch on course S. S. W. ½ W. (P.S.C.) under topsails, topgallantsails, jib, spanker, forecsail, fore and main topmast staysails, and main trysail, log 48.9. Av steam to 6:30, 46 and av rev 38.3.

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian

Cloudy and pleasant. Slight spitting of rain first hour. Moderate to stiff breeze from N. E. to East. At 8:00 changed course to S. S. W. (P.S.C.). Under all sail to topgallantsails. At 11:05 set royals and flying jib. Ship rolling at times about 8° to stbd. and 5° to port, to moderate sea on port quarter - 6 times per minute. Distilling with boiler A, fires banked in boiler B. The Commander awarded the following punishment:- R. D. O'Neill (App. 3 c) neglect of duty, not reporting time while on orderly watch, 4 hrs. extra duty. At 9:30 inspected at quarters. Gave divisional instruction. At 11:05 set clock back two minutes.

C. M. Fahs
Lieut., U. S. N.

Meridian to 4 P.M.

Cloudy and pleasant, occasional spits of rain first and last hours. Barometer falling slowly. Stiff breeze from East to N. E. by N. At 1:30 took in fore topmast staysail, at 3:00 took in main topmast staysail and spanker. At 3:30 took in royals and flying jib and at 4:00 took in main trysail. Ship rolling easily 10° to stbd. and 11° to port, about 6 times per minute to moderate sea on port quarter. At end of watch on course S. S. W. (P.S.C.) under topsails, topgallantsails, forecsail and jib.

W. H. Allen
Ensign, U. S. N.

4 to 6 P.M.

Overcast, cloudy, squally and rainy. Stiff breeze from N. E. by N. and moderate to fresh breeze in squalls from N. W. Barometer falling rapidly. Sighted a steamer on port quarter about 5:30 going to Southwestward. At 5:00 hauled in stbd. patent log reading 6.0. Took in and furled topgallantsails, and hauled down and stowed jib about 5:30, hoisted fore topmast staysail. Brailed up main trysail and hauled out topsail reefpackles before a squall and hoisted topsails afterwards. Set jib and main trysail about 5:45 and took them in again about 6:00. At end of watch on course under sail as follows: topsails and fore topmast staysail. Ship rolling 6° to stbd. and 5° to port at times.

W. J. Marion.
Ensign, U. S. N.

6 to 8 P.M.

Cloudy and threatening. Moderate to fresh breeze from N. N. E. to East. Barometer falling rapidly. On course S. S. W. Under fore topmast staysail, topsails and forecsail. At 6:30 called all hands and took two reefs in topsails, and single reef in forecsail and sent down royal yards. Ship rolling 14° each side, three times a minute. Bent storm mizzen and fore storm staysail.

J. F. Baldwin Ensign, U. S. N.

8 P.M. to Midnight

Cloudy and threatening first hour, fair last three hours. Stiff to gentle E. S. E. breeze. Barometer rising. Ship rolling 8 times per minute, max of 10° stbd. and 6° port, to sea on port quarter. At 10:30 shook one reef out of topsails and forecsail, set main topmast staysail and trysail. At 12:00 stopped distilling, ships tanks being filled and banked fires under boiler A. At end of watch on course S. S. W., log 58.1, under fore and main topmast staysails, forecsail, single reefed topsails, and main trysail.

Examined and found to be correct.

Ralph Earle,
Ensign, U. S. N.

F. F. Leiper. Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibraltar

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, as to th.	State of the Sea.
A. M.																		
1	3	4	41.5	S. S. W.	E. S. E.	4	3°	½	30.00	72	69	68	69	bcw	a.		2	L
2	4	0	45.5	"	"	4	3°	½	30.01	72	69	68	70	bcp.	a-m.		7	"
3	3	9	49.4	"	"	4	3°	½	30.01	72	69	68	71	bcpll.	"		9	"
4	3	0	52.4	"	"	3	2°	½	30.00	72	69	68	71	"	"		9	"
5	2	2	54.6	"	"	2	2°	½	30.01	70	69	68	71	ocstl.	"		10	"
6	4	9	59.5	"	"	3	4°	½	30.02	69	69	68	71	bcr.	"		9	"
7	5	1	64.6	"	"	4	4°	¼	30.03	68	67	67	70	"	"		9	"
8	3	9	68.5	"	"	3	2°	¼	30.05	72	67	67	70	bcp.	"		9	"
9	4	0	72.5	"	"	3	2°	¼	30.08	74	67	67	70	bc.	"		7	"
10	3	7	76.2	S. by W ½ W	"	3	2°	¼	30.08	76	68	68	70	"	cu	E.	7	"
11	3	6	79.8	"	"	2	2°	¼	30.09	76	66	66	70	"	"	"	7	"
Noon.	4	3	84.1	"	S. E. by E.	2	2°	¼	30.10	75	66	66	70	"	"	"	7	"

Position at 8 A. M.: Latitude by Lds. 40° 32' 15" N. Mag. Comp.
Longitude by Obs. 11° 19' 45" W. For. Aft.

Position at noon: Latitude by observation 40° 11' 00" N. 73-72 70-69
Longitude by observation 11° 21' 33" W.
Latitude by D. R. 40° 17' 30" N.
Longitude by D. R. 11° 5' 25" W.

Course made good since preceding noon: S. 5° W.

Distance made good since preceding noon: 120.5 miles.

Distance by Log since preceding noon: 113.5 miles.

Current per hour: 0.35 miles, set S. 62° W. true.

Position at 8 P. M.: Latitude by Lds. 39° 44' 00" N.
Longitude by Obs. 11° 19' 9" W.

Variation of compass: from Chart 18° 30' W'ly.

Error of compass observed at 5:12 P. M. 21° 25' W'ly.

Deviation of compass on S. by W. ½ W. 2° 55' W'ly.

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 310 lbs.

Coal remaining on hand at noon, 135 " 2155 "

P. M.							S.											
1	3	7	87.8	S. by W. ½ W.	S. E. by E.	3	2°	¼	30.10	74	68	68	70	bc.	a-cu	E.	5	L
2	3	2	91.0	"	"	3	2°	¼	30.10	74	70	69	70	"	"	"	5	"
3	4	0	95.0	"	"	3		¼	30.10	75	74	73	70	"	cu.	"	3	"
4	3	5	98.5	"	"	2-3		¼	30.10	76	75	73	72	"	"	"	3	"
5	3	0	1.5	"	"	2-3		¼	30.12	78	75	73	72	"	"	"	3	"
6	3	0	4.5	"	"	2		¼	30.12	77	75	73	72	"	"	"	5	"
7	3	1	7.6	"	E. S. E.	2		½	30.13	74	71	71	71	"	"	"	5	"
8	3	2	10.8	"	"	2		½	30.13	74	71	71	71	"	"	"	4	"
9	2	7	13.5	"	"	2		½	30.15	74	71	71	71	"	"	"	3	"
10	2	5	16.0	"	"	2		½	30.15	74	71	71	71	"	"	"	4	"
11	2	4	18.4	"	"	2		½	30.15	73	70	70	71	"	"	"	4	"
Mid.	1	7	20.1	"	"	1-2		½	30.15	73	70	70	71	"	"	"	4	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, September 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair at first, but cloudingover last three hours. Moderate to gentle breeze from E.S.E. Passing rain last two hours. Heavy thunder and lightning. Course S.S.W. (P.S.C.). Under single reefed topsails, forecail, fore and main topmast staysails, and main trysail. Ship rolling at times 17° to stbd. and 15° to port 6 times per minute.

C. F. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Overcast to cloudy. Rainy. Thunder and lightning first two hours. Light to moderate breeze from E.S.E. Barometer rising slowly. At 5:40 set topgallantsails and jib, and at 7:50 shook reefs out of topsails. Course S.S.W. Ship rolling to long swell slightly on stbd quarter. Max roll 8° to stbd and 15° to port.

W. H. Allen
Ensign, U.S.N.

8 A.M. to Meridan.

Clear and pleasant. Gentle decreasing to light breze from E.S.E. hauling last hour to S.E. by E. light breeze. At 9:30 mustered at quarters (no absentees) and drilled at battery. At 8:45 set royals and flying jib. At 9:00 changed course to S. by W. ½ W. (P.S.C.). Punishments awarded by the Comdg Officer: C. B. Allan (a.s.c.), "stowing himself away, failing to furl sail and late hammock" - 8 hours extra duty; R. Sample (a.s.c.), "late hammock" - 4 hours extra duty. At 10:50 sighted a steamer two points on port quarter. Long sea from N.E., ship rolling 10° to stbd and 6° to port at intervals, and pitching easily. On course S. by W. ½ W. (P.S.C.) under all sail except mainsail and spanker.

W. G. Marion
Ensign, U.S.N.

Meridan to 4 P.M.

Clear and fine. Light to gentle breeze from S.E. by E. Under all sail except spanker. Fore storm staysail and storm nizzen set to dry. On course S. by W. ½ W. At 1:00 unbent storm sails and main trysail. Bent and set new trysail, and set spanker clearing clothing and small stores. Ship pitching about 8° in following swell. Cleaned and disinfected bilges. Made weekly test of magazine flood cocks and drains and found them in good condition.

J. D. Bloom
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Light to gentle S.E. by E. ly breeze. Barometer rose slightly. Ship rolling to deep swell astern, 4 times per minute, 4° stbd and 6° port. At 5:10 went to fire quarters, all divisions ready in three minutes, secured at 5:20. At end of watch under sail as in previous watch, on course S. by W. ½ W. (P.S.C.), log 4.5.

Ralph Earle
Ensign, U.S.N.

6 to 8 P.M.

Fair and pleasant. Light breeze from E.S.E. Bright moonlight. Ship rolling to heavy swell astern - 9° to stbd and 7° to port, 4 times per minute. Course S. by W. ½ W. (P.S.C.). Under all plain sail to royals. At 7:10 took in and furled royals and flying jib.

C. F. Fahs
Lieut. U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Bright moonlight. Light E.S.E. breeze. Barometer rising slightly. Pitching and rolling to long, heavy following swell about 8 times per minute. Max. 10° to port and 15° to stbd. Course S. by W. ½ W. (P.S.C.) under all sail save royals, flying jib and mainsail. Passed steamer standing to North'd at 11:30.

W. H. Allen
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibraltar

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	2	1	222	S. by W. ½ W.	E. S. E.	1-2		½	3015	73	70	70	71	bc	cu-m.	E.	7	L
2	1	3	22.7	"	E. by N.	1		½	3015	73	70	70	71	"	"	"	7	"
3	2	1	24.3	"	"	1-2		½	3015	73	70	70	71	"	"	"	7	"
4	2	0	25.7	"	N. E.	1-2		½	3015	74	71	71	71	"	"	"	7	"
5	2	0	27.2	"	"	1-2		½	3015	73	71	71	71	"	"	"	5	"
6	1	4	27.4	S. S. W. ½ W.	East.	1-2		½	3017	73	71	70	71	"	cu.	—	5	"
7	1	0	27.4	S. by W. ½ W.	E. N. E.	1-2		½	3019	75	71	70	71	"	"	—	5	"
8	1	0	27.5	"	"	1-2		½	3021	78	73	71	71	"	"	—	4	"
9	0	0	27.5	Various	"	1			3025	78	74	72	71	"	cu-n.	E.	4	"
10	0	0	—	"	"	1			3024	78	74	72	71	"	"	"	4	"
11	0	0	-	"	"	1			3024	78	77	74	71	"	"	"	4	"
Noon.	2	5	30.0	South	E. by N.	4			3025	78	77	74	71	"	"	"	5	"

Position at 8 A. M.: Latitude by D.R. 39°22'53" N. Mag. Temp
Longitude by Alt. 11°21'50" W. For'd Aft.
Position at noon: Latitude by observation 39°13'00" N. 76-74 71-70
Longitude by observation 11°24'00" W.
Latitude by D. R. 39°21'42" N.
Longitude by D. R. 11°16'3" W.
Course made good since preceding noon: S. 2° W.
Distance made good since preceding noon: 5.8 miles.
Distance by Log since preceding noon: 49.6 miles.
Current per hour: 0.45 miles, set S. 36° W. true.
Position at 8 P. M.: Latitude by D.R. 38°36'18" N.
Longitude by Alt. 10°53'25" W.
Variation of compass: from chart 18° 10' W'ly
Error of compass observed at 5:27 P.M. 19° 13' W'ly
Deviation of compass on S. by E. ¼ E. 1° 3' W'ly
Water expended during the preceding 24 hours, 5 00 gallons.
Water during the preceding 24 hours, — "
Water remaining on hand fit for use at noon, 2200 "
Coal consumed during the preceding 24 hours, 2 tons, 170 lbs.
Coal remaining on hand at noon, 133 " 1985 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	5	5	35.5	South	E. by N.	4			30.25	78	77	74	73	bcfr.	cu-n.	—	6	L
2	4	4	39.9	S. by E. ½ E.	"	3			30.25	79	77	74	73	bc	a-cu	—	6	"
3	5	7	45.6	"	E. N. E.	4			30.25	77	77	74	73	"	"	—	5	"
4	4	6	50.2	"	N. E. by E.	3			30.26	77	74	72	74	"	cu.	—	4	"
5	5	3	55.5	"	"	4			30.26	75	74	72	74	"	"	—	5	m
6	6	7	62.2	"	E. N. E.	4			30.26	74	72	70	74	bcfr.	cu-n.	E.	7	"
7	6	1	68.3	"	"	4			30.28	74	72	70	74	bc	"	"	8	"
8	5	2	73.5	"	"	3	S.		30.25	73	71	70	74	"	"	"	7	"
9	5	5	79.0	"	N. E. by E.	4	4°	½	30.29	72	70	69	74	oc	s-cu.	"	10	S
10	6	2	85.2	"	"	4	5°	½	30.29	72	70	69	74	"	"	"	10	"
11	5	7	90.9	"	"	4	8°	½	30.29	72	70	69	73	bc	a-cu	—	7	"
Mid.	4	8	95.7	"	"	4	5°	½	30.29	72	70	68	72	"	"	"	5	"

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, September 16th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light airs and breezes from E.S.E., & by N., and N.E. Barometer steady. Moon set about 1:45. Ship rolling and pitching slightly to long rolling sea on port quarter. At 3:50 set royals and flying jib. On course S. by W. ½ W. (P.S.C.) under all sail at end of watch exercised in sail.

W. J. Manion,
Ensign, U. S. N.

4 to 8 A.M.

Clear and fine. Light airs to light breezes from E.N.E. and East. On course S. by W. ½ W. except second hour when made S.S.W. ½ W., under all sail. At 6:00 took in skysail and at 7:45 took in foresail. Sighted a steamer astern.

J. R. Baldwin
Ensign, U. S. N.

8 A.M. to Meridian.

Generally fair and pleasant. Light E.N.E. airs and moderate E. by N. breezes. Barometer nearly stationary. Rolling 4 times per 1 minute to sea astern, 18° port and 14° stbd during target practice. At 8:30 furled all sail, hauled in log and went ahead under steam, and began target practice steaming slowly at range of 1000 to 1200 yds. with 4", 6 Pdr., and 1-Pdr., finishing at 11:40. Expended 36 common 4" shell, 140 - 6 Pdr. common shell, and 85 1-Pdr common shell. At 11:40 went ahead under two boilers A and B. on course S. (P.S.C.) and put over log. By order of Comdg Officer released C.A. McCamo, A.B.C., and W.J. Hogan Lds., from confinement their terms having expired. Sighted, H.M.S. "Thistle" and exchanged colors, she standing to S by E. ½ E.

Ralph Earle
Ensign, U. S. N.

Meridian to 4 P.M.

Generally fair. Slight passing shower first hour. Moderate to gentle breeze from E. by N. to N.E. by E. Set the fore and aft sail save flying jib, and square sail on fore save the royal during first hour. Steaming also during this hour with two boilers on course South (P.S.C.). At 1:00 set all sail and at 1:15 disconnected the propeller and banked fires in Boiler B, and commenced distilling with A. The Commander gave the following punishments: T. Macfeat (A.B.C.) repeatedly asleep on orderly watch, 3 days solitary confinement on bread and water; A.C. Reed (A.B.C.), asleep on life buoy watch, 3 days Solitary confinement on bread and water; R.T. Martin (A.B.C.), disregard of orders and continually dirty, 5 days solitary confinement on bread and water: each of these apprentices was by order of the Commander confined accordingly. Ship rolling slightly to following swell. At 1:00 changed course to S. by E. ½ E. (P.S.C.).

C. M. Jahn
Lieut., U. S. N.

4 to 6 P.M.

Fair to cloudy, light passing rain last hour. Moderate breezes from N.E. by E. & E.N.E. Barometer steady. Course S. by E. ½ E. (P.S.C.). At 5:50 took in royals and flying jib. Ship rolling easily at times to moderate swell on port quarter. Bark straight on stbd bow. Distilling. At 5:15 mustered at quarters.

W. J. Manion
Ensign, U. S. N.

6 to 8 P.M.

Fair and pleasant. Moderate and gentle breezes from E.N.E. Barometer rising slowly first hour, steady last hour. Ship nearly steady. On course S. by E. ½ E. (P.S.C.), under all sail except royals, flying jib, and mainsail.

W. J. Manion
Ensign, U. S. N.

8 P.M. to Midnight.

Clear and fine. Cloudy first hour. Bright moonlight. Moderate breeze from N.E. by E. On course S. by E. ½ E. under all sail to topgallantsails. Ship heeled 5° to stbd and nearly steady.

Examined and found to be correct.

J. R. Baldwin
Ensign, U. S. N.

E. F. Leiper
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibraltar.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sky is veil.	State of the Sea.
A. M.																		
1	5	0	0.7	S. by E. ¼ E.	N. E. by E.	4	3°	¼	30 29	72	70	68	72	bc	cu.	N.E.	8	S.
2	5	1	5.8	"	"	4	2°	¼	30 29	72	70	68	72	oc	a-cu	S.W.	10	"
3	5	0	10.8	"	"	4	2°	¼	30 28	73	70	68	72	bc	"	"	5	"
4	5	6	16.4	"	"	4	2°	¼	30 28	73	70	68	72	"	"	"	1	"
5	5	2	21.6	"	"	4		¼	30 29	74	70	68	72	"	"	"	2	"
6	4	7	26.3	"	"	3		¼	30 30	74	70	68	72	"	"	"	4	"
7	4	2	30.5	"	"	3			30 31	74	70	68	72	"	"	"	5	"
8	4	8	35.3	"	"	3			30 33	74	70	68	72	"	"	-	2	"
9	4 5/8	5	40.1	S.S.E. ½ E.	N. E. by N.	3			30 34	76	71	69	73	"	cu.	-	3	"
10	2	7	42.8	"	"	2			30 35	74	71	69	73	"	"	-	2	"
11	2	7	45.5	"	N. by E.	2			3034	76	70	67	73	"	F-cu	N.E.	2	"
Noon.	2	2	47.7	"	"	2			3034	76	77	71	71	"	"	"	2	"

Position at 8 A. M. { Latitude by D.R. 37° 44' 34" N. Mag. Temp.
Longitude by Obs. 10° 21' 00" W. For. 76.74 Aft. 73.71

Position at noon: { Latitude by observation 37° 34' 20" N.
Longitude by observation 10° 7' 00" W.
Latitude by D. R. 37° 34' 10" N.
Longitude by D. R. 10° 4' 00" W.

Course made good since preceding noon: S. 31° E.

Distance made good since preceding noon: 115 miles.

Distance by Log since preceding noon: 120 miles.

Current per hour: 0.1 miles, set West true.

Position at 8 P. M. { Latitude by D.R. 37° 10' 52" N.
Longitude by Obs. 9° 40' 30" W.

Variation of compass: from chart 17° 30' Wly

Error of compass observed at 6:07 P.M. 17° 13' Wly

Deviation of compass on S. E. ¾ S. 17' E'ly

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 26500 "

Coal consumed during the preceding 24 hours, 1 tons, 1685 lbs.

Coal remaining on hand at noon, 132 " 400 "

P. M.																		
1	3	3	51.0	S.S.E. ½ E.	N. by E.	3			30 34	77	75	71	71	bc	F-cu	N.E.	3	S.
2	4	0	55.0	"	"	3			30 33	78	75	71	71	"	"	"	5	"
3	4	3	59.3	"	"	3			30 33	78	75	71	71	"	"	"	5	"
4	4	7	64.0	"	"	3			30 33	78	75	71	71	"	"	"	4	"
5	4	2	68.2	"	N. by W.	3			30 33	78	75	71	71	"	"	-	4	"
6	4	3	72.5	"	N.N.W.	3			30 33	77	73	69	71	"	cu	-	3	"
7	4	6	77.1	S. E. ¾ S.	"	3			30 32	74	70	68	71	"	"	N.	3	"
8	4	7	81.8	"	"	3			30 32	75	70	68	71	"	F-cu	"	3	"
9	4	7	86.5	S.S.E. ¾ E.	"	3			3033	74	70	68	71	"	"	"	6	"
10	3	8	89.3	"	"	3			3033	73	70	68	71	"	"	"	5	"
11	3	2	92.5	"	"	3			30 32	73	69	67	71	"	"	"	5	"
Mid.	3	5	96.0	"	"	3			30 30	73	68	67	71	"	"	"	5	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, September 17th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy to overcast with clear weather last hour. Moderate N. E. by E. ½ E. breeze. Barometer fell slightly. Ship rolling at times 6° stbd and 2° port, six per minute. Moon set at 2:50. At end of watch on course S. by E. ½ E. (P.S.C.), log 16.4, under all sail to topgallantsails except mansail.

Ralph Earle,
Ensign, U. S. N.

4 to 8. A.M.

Fair and pleasant. Moderate to gentle breeze from N. E. by E. All plain sail to topgallantsails. At 5:30 set royals and flying jib. Course S. by E. ½ E. (P.S.C.). At 6:00 stopped distilling and banked fires. Ship nearly steady.

C. W. Fahs
Lieut., U. S. N.

8 A.M. to Meridian.

Clear and pleasant. Gentle to light breeze from N. E. by N. and N. by E. Barometer steady. At 9:30 mustered at quarters and the Captain inspected the crew at quarters, and afterwards the ship. At 8:30 changed course to S. S. E. ½ E. (P.S.C.) patent log reading 40.1. At 11:00 took in spanker and main topmast staysail. Held divine service. At end of watch on course S. S. E. ½ E. (P.S.C.) under all sail save spanker, mansail and main topmast staysail. The Captain assigned the following punishments:- J. W. F. Ayle (A.S.C.), failing to lash and carry his hammock, to be called one hour earlier each morning for one week; C. W. Smith, G. A. Frazee, and N. T. Jeter, (Ap. S. C.) continual disregard of orders, 1 weeks extra duty each.

A. Thurston
Ensign, U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Gentle breeze from N. by E. Barometer steady. About 3:00 sighted a steamer on port bow. Two sailing vessels in sight. Set main topmast staysail at 3:18. On course S. S. E. ½ E. (P.S.C.) under all sail except mansail and spanker. Ship steady, smooth sea.

W. J. Marion
Ensign, U. S. N.

4 to 6. P.M.

Clear and fine. Gentle breeze from N. by W. and N. N. W. On course S. S. E. ½ E. under all sail except spanker. Hauled down main topmast staysail at 4:40, flying jib and fore topmast staysail at 5:00 and topsail at 5:30. Ship pitching slightly in following sea.

H. R. Oldwin Ensign, U. S. N.

6 to 8. P.M.

Clear and pleasant. Gentle N. N. W. breezes. Barometer fell slightly. Bright moonlight. Ship steady. At 6:00 changed course to S. S. W. ½ S. (P.S.C.) log 72.5. Hauled royals at 7:45. At end of watch under jib, topgallantsails, topsails & foresail on course S. E. ¾ S. (P.S.C.) log 81.8.

Ralph Earle,
Ensign, U. S. N.

8 P.M. to Midnight.

Fair and pleasant. Gentle breeze from N. N. W. Bright moonlight. Course S. E. ¾ S. (P.S.C.). At 8:15 changed course to S. S. E. ½ E. (P.S.C.) pat. log 82.8. Under jib, foresail, topsails, and topgallantsails. Ship rolling at times 10° to stbd. and 8° to port - 4 rolls per minute. Following swell.

C. W. Fahs
Lieut., U. S. N.

Examined and found to be correct.

E. F. Leeper
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	3	8	99.8	S.S.E. ¾ E.	N.N.W.	3			30.28	72	69	67	71	b.c.	c.cu	N.W.	3	S.
2	4	5	4.3	"	N. by W.	4			30.26	71	69	67	71	"	cu.s.	.	3	"
3	4	4	8.7	"	"	4			30.25	70	68	67	71	"	cu.	.	4	"
4	4	5	13.2	"	"	4			30.25	70	68	67	70	"	"	.	6	"
5	4	8	18.0	"	"	3			30.24	72	68	67	71	"	"	.	5	"
6	4	0	22.0	"	"	3			30.24	73	68	67	71	"	.	—	5	"
7	3	7	25.7	"	"	3			30.26	74	70	69	71	"	.	—	6	"
8	3	0	28.7	"	"	2			30.27	78	73	72	72	"	.	—	5	"
9	3	0	29.8 31.7	S. ⅛ by E. ½ E.	"	2			30.27	78	73	72	72	"	.	—	4	"
10	3	0	34.7	"	"	2			30.28	78	73	73	72	"	"	—	4	"
11	2	4	37.1	"	W. by N.	3			30.29	78	77	73	72	"	cu	—	2	"
Noon.	2	3	39.4	"	W.N.W.	3			30.28	81	77	73	72	"	"	—	2	"

Position at 8 A. M. { Latitude by D.R. 36° 40' 28" N. / Longitude by Obs. 9° 2' 48" W.

Mag. Temp. For. Aft. 75-74 72-71

Position at noon: { Latitude by observation 36° 34' 7" N. / Longitude by observation 8° 49' 42" W. / Latitude by D. R. 36° 36' 30" N. / Longitude by D. R. 8° 4' 00" W.

Course made good since preceding noon: S. 46° E.

Distance made good since preceding noon: 85 miles.

Distance by Log since preceding noon: 91.8 miles.

Current per hour: 0.34 miles, set S. 72° W true.

Position at 8 P. M. { Latitude by D.R. 36° 26' 00" N. / Longitude by Obs. 8° 4' 48" W.

Variation of compass: from chart 16° 55' W by

Error of compass observed at 4:56 P.M. 14° 45' W by

Deviation of compass on S. E. by E. ½ E. 2° 10' E by

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 1725 lbs.

Coal remaining on hand at noon, 131 " 915 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	2	6	42.0	S. E. by E. ½ E.	N.W. by W.	3			30.26	81	77	73	72	b.c.	a.	—	2	S.
2	3	7	45.7	"	"	3			30.26	83	77	73	72	"	.	—	2	"
3	3	8	49.5	"	"	3			30.25	82	75	73	72	"	.	—	3	"
4	4	0	53.5	"	"	3			30.25	81	75	73	72	"	c.cu	—	3	"
5	4	6	58.1	"	"	3			30.23	77	73	71	71	"	.	N.W.	5	"
6	4	5	62.6	"	"	3			30.22	74	72	71	71	b.cu	"	"	6	"
7	4	7	67.3	"	N.W.	3			30.22	73	70	69	71	o.cu	s.cu	"	10	"
8	3	8	71.1	"	"	3			30.23	72	69	68	71	"	s.	"	10	"
9	3	9	75.0	"	N.W. by W.	3			30.22	75	71	70	70	o.c.	cu.s	.	10	"
10	3	9	78.9	"	"	3			30.21	75	70	69	70	b.c.	cu	.	9	"
11	3	4	82.3	"	"	3			30.20	74	70	69	70	"	a.s	.	8	"
Mid.	3	2	85.5	"	"	3			30.19	74	70	69	70	"	"	.	6	"

under the command of Commander Frank Courtis , U. S. Navy,

Monday, September 18th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear, bright moonlight. Clouding over somewhat at end of watch. Gentle to moderate breeze from N. N. W and N by W. Barometer falling first two hours, steady last two. At 12:50 sighted Cape St Vincent Light 3½ points forward of port beam, pat. log 99. At 1:15 set main topsail. Cape St Vincent Light was abeam at 3:50 distant 15 miles. Course S.S.E ¾ E (P.S.C). At end of watch under foresail, jib, main topsail, topsails, and topgallantsails.

W. F. Clarke
Ensign, U. S. N.

4 to 8 A.M.

Clear and pleasant. Gentle breezes decreasing to light breeze from N. by W. Barometer rising slowly. Moon set about 4:20. At 5:22 set royals and flying jib. Sighted a steamer 3 points on port bow at 5:48. On course S.S.E ¾ E (P.S.C) under all sail except fore and main topmast staysails, and spanker. Cape St Vincent Light in sight abaft port beam until 4:30

W. F. Lamon,
Ensign, U. S. N.

8 A.M. to Meridian.

Clear and fine. Light to gentle breeze from N by W., W by N and W. N. W. On course S.S.E ¾ E. At 8:30 changed course to S. E by E ½ E. patent log reading 29.8. Under all sail except fore and main topmast staysails and spanker. At 8:30 set main topmast staysail, and hauled down at 9:30 and took in trysail. At 11:00 hauled down flying jib. At 9:30 mustered at quarters and exercised as per routine, 1st Div. pistols, 2nd and 3rd. small arms, 4th and 5th Divs, battery and ordnance instruction. Punishments awarded by the Captain: E. S. Turk (A.S.C.), Making back cloth fast to topmast rigging while on lookout, 2 hrs. extra duty; J. W. F. Hyde (A.S.C) Failing to relieve the wheel at proper time, 2 hrs extra duty. Several steamers sighted inshore. At noon made latitude 36°34' N. Set deck clocks ahead 9 minutes. Mercurial Barometer at end of watch 30.07.

W. F. Clarke
Ensign, U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Gentle N. W by W by breezes. Barometer fell slightly. Ship nearly steady. Exercised at arm and away boats for distant service, ready in 3½ minutes. Held routine 3d period drills. The Comdy Officer assigned the following punishment:- J. Nevis, Gr. M. 3.C, attempting to deceive after breaking elevating shaft of 4" R.F.G., and Class. At end of watch under square sails save mainsail and jib, on course S.E by E ½ E. (P.S.C) log 53.5.

Ralph Earle
Ensign, U. S. N.

4 to 6 P.M.

Fair and pleasant. Gentle breeze from N. W by W. Course S.E by E ½ E. (P.S.C) under jib and square sail save mainsail. Ship steady. At 5:15 mustered at quarters and had

C. W. Parks
Lieut., U. S. N.

setting up exercises.

6 to 8 P.M.

Overcast and pleasant. Gentle breeze from N. W. Barometer steady. At 7:40 took in royals. Ship steady. Course S E by E ½ E. (P.S.C.)

W. F. Clarke
Ensign, U. S. N.

8 P.M. to Midnight.

Overcast and cloudy, clearing somewhat during last hour. Gentle breezes from N. W. by W. Barometer falling slowly. Full moon overcast during watch. Ship steady. On course S E by E ½ E. (P.S.C) under topsails, jib, foresail and topgallantsails.

W. F. Lamon
Ensign, U. S. N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibraltar.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	3	9	89.4	S. E. by S. ½ E.	N. W. by W.	3			30.18	72	70	69	70	b.c.w.	a.cu.	n.w.	5	S
2	4	0	93.4	"	"	3			30.17	72	69	68	70	"	"	"	5	"
3	3	7	97.1	"	"	3			30.16	72	69	68	70	"	"	"	5	"
4	3	3	100.4	"	"	3			30.16	72	69	68	70	"	"	"	5	"
5	3	0	3.4	"	"	3			30.15	73	69	68	70	"	"	"	7	"
6	2	9	6.3	"	W. N. W.	3			30.15	73	70	69	70	b.c.	"	—	6	"
7	3	3	9.6	"	"	3			30.16	74	70	69	70	"	"	—	6	"
8	3	6	13.2	"	"	3			30.16	74	70	69	72	"	"	—	5	"
9	3	5	16.7	"	"	3			30.17	74	73	70	73	"	cu.	n.w.	5	"
10	2	9	19.6	"	"	3			30.18	77	74	71	73	"	"	W.	5	"
11	3	1	22.7	"	West.	2			30.18	79	74	72	74	"	"	"	6	"
Noon.	2	6	25.3	"	"	2			30.18	82	76	73	74	"	"	"	6	"

Position at 8 A. M. { Latitude by DR. 36° 15' 36" N. Mag. Temp.
Longitude by Obs. 7° 18' 15" W. For. Aft

Position at noon: { Latitude by observation 36° 15' 00" N. 74-73 72-71
Longitude by observation 7° 1' 10" W.
Latitude by D. R. 36° 11' 42" N.
Longitude by D. R. 7° 6' 42" W.

Course made good since preceding noon: S. 78° E.

Distance made good since preceding noon: 90 miles.

Distance by Log since preceding noon: 85.8 miles.

Current per hour: 0.23 miles, set N. 53° E true.

Position at 8 P. M. { Latitude by DR 36° 6' 18" N.
Longitude by Obs. 6° 24' 21" W.

Variation of compass: from chart 16° 40' W'ly.

Error of compass observed at 5.03 14° 25' W'ly

Deviation of compass on S. E. by E. ¼ E. 2° 15' E'ly.

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1650 "

Coal consumed during the preceding 24 hours, tons, 1350 lbs.

Coal remaining on hand at noon, 130 " 1805 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.	1	1	26.3	S. E. by E. ½ E.														
1	1	0	27.4	S. E. by E. ½ E.	West	2			30.17	81	76	73	74	b.c.	cu.	W.	3	S
2	2	1	29.5	"	W. S. W.	2			30.17	82	76	73	74	"	"	"	3	"
3	2	6	32.1	"	S. W.	3			30.16	77	76	73	75	"	"	"	3	"
4	2	8	34.9	"	"	3			30.15	79	76	73	75	"	"	"	2	"
5	3	3	38.1	"	"	3			30.14	78	76	73	75	"	"	—	2	"
6	3	5	41.6	"	"	3			30.14	76	76	73	75	"	"	—	4	"
7	5	5	47.4	"	"	2			30.14	76	76	73	75	b.w.	"	W.	4	"
8	5	7	53.2	"	"	2			30.14	74	75	73	75	"	"	"	4	"
9	4	8	57.6	"	S. S. W.	2			30.15	74	73	72	74	"	"	"	4	"
10	4	7	62.3	"	"	2			30.15	73	73	71	73	"	Fr. cu.	"	5	"
11	4	2	66.5	"	"	2			30.15	72	72	71	72	"	"	"	5	"
Mid.	3 4	6	69.8 71.1	E. S. E. ½ E.	W. S. W.	1			30.14	72	72	71	70	"	"	S.	4	"

under the command of Commander Frank Coontz, U. S. Navy,

Tuesday, September 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Gentle breeze from N.W.by W. On course S.E. by E. ½ E. under jib, topsails, forecast and topgallantsails. Passed several steamers bound to the Northward. Ship steady.

4 to 8 A.M.

H. P. Baldwin, Ensign, U.S.N.

Cloudy to fair and pleasant. Gentle N.W. by W. ½ W. to W.N.W. ½ W. breezes. Moon set at 5.15. Ship steady. At 6.30 set royals, flying jib, fore and main topmast staysails, trysail and spanker. At end of watch under all sail save mainsail on course S.E. by E. ½ E. (P.S.C.), log 13.2.

8 A.M. to Meridian.

Ralph Earle, Ensign, U.S.N.

Fair and pleasant. Gentle to light breeze from W.N.W. to West. By order of the Comdr. released from confinement and restored to duty J. Macfeat (a.s.c.) and A.C. Reed (a.s.c.), their terms of confinement having expired. By order of the Comdr. placed in solitary confinement on bread and water for 5 days, A.B. Cooper (M.att.) for gross neglect of duty and impudence to Ward Room Steward. At 9:30 inspected at quarters. Then had "Company drill" followed by "Battalion drill, and "Dress Parade". Exchanged colors with an Austrian Steamer bound to the North'd and East'd, also with an Italian barque bound in same direction. Ship steady. Under all plain sail to royals. Course S.E. by E. ½ E. (P.S.C.).

Meridian to 4 P.M.

C. M. Fahs, Lieut., U.S.N.

Clear and pleasant weather. Light to gentle breeze from West to S.W. Barometer steady. At 12:30 changed course to S.E. by E. ¼ E. (P.S.C.). Exercised watch below in knotting and splicing and watch on deck in learning gear. Passed several steamers and sails. Under all sail save mainsail and spanker. Got anchors off the bow and took out jackasses. Ship steady.

4 to 6 P.M.

W. Chapman, Ensign, U.S.N.

Clear and pleasant. Gentle breezes from S.W. Barometer steady. At 5:15 mustered at quarters. No absentees. At 5:30 called all hands, furled all sail, sent down royal yards, unbent royals, and main topmast staysail. Went ahead under two boilers at 5:50. Many steamers and sailing vessels sighted and in sight during watch. Ship steady. Average revolutions 29, average steam pressure 40 lbs.

6 to 8 P.M.

W. W. Marion, Ensign, U.S.N.

Clear and fine. Bright moonlight last part. Light breeze from S.W. Under steam alone on course S.E. by E. ½ E. At 7:05 sighted Trafalgar Light bearing N. 82° E. Several steamers in sight. Av. revolutions 29.5. Av. steam 46.

8 P.M. to Midnight.

H. P. Baldwin, Ensign, U.S.N.

Cloudy and very pleasant. Gentle breezes to light airs from S.S.W. to W.S.W. Bright moonlight. At 9:05 sighted Cape Spartel Light bearing S.E. ½ S. At 11:50 changed course to E.S.E. ¼ E. (P.S.C.), log 69.8. At end of watch under steam alone, on course E.S.E. ¼ E. (P.S.C.) log 71.1. Av. steam 48.5. Av. revolutions 24.6.

Ralph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. F. Keyser, Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Southampton, England, to Gibralter.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving form.	CLOUDS. Amount. 10ths.	State of the Sea.
A. M.																		
1	4	5	75.6	E.S.E. ½ E.	Calm.	0			30.12	76	70	70	70	brw	a.s cu.	-	5	S.
2	4	4	79.0	"	S.E.	1			30.11	74	72	71	70	"	cu	S.E.	7	"
2:32	2	2	81.2															
3	2	3	84.5	S.E. × E. ¾ E.	"	2			30.10	73	72	71	70	"	a.cu	"	9	"
4	6	6	91.1	" "	"	1			30.09	73	72	71	70	"	"	"	9	"
4:30	3	1	94.2															
5	3	8	98.0	E.N.E. ¾ E.	"	2			30.09	73	72	71	70	"	"	"	9	"
6	6	3	4.3	Various	" "	3			30.11	72	72	71	70	"	"	"	7	"
7	-	-	-		N.N.E.	4			30.12	69	65	65	-	ocm.	s.cu	N.E.	10	"
8	At anchor			N.E.	E.N.E.	2			30.13	68	65	65	-	ocp.	n.	"	10	—
9				"	"	2			30.14	68	65	65	-	acd.	"	"	10	—
10				"	East.	2			30.14	72	67	67	-	"	"	&	10	—
11				N.E. by E.	"	2			30.14	70	66	65	-	oc	"	"	10	—
Noon.				E. by S.	"	2			30.15	77	68	67	-	"	"	"	10	-

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 76-74 75-72

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 74 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2050 "

Coal consumed during the preceding 24 hours, 6 tons, 210 lbs.

Coal remaining on hand at noon, 124 " 1595 "

P. M.																	
1			S.S.E.	East.	2			30.14	77	67	67	oc	n.	E.	10		
2			S.S.W.	"	1			30.13	74	67	67	ocd.	"	"	10		
3			"	"	1			30.11	74	67	67	"	"	"	10		
4:30	Swinging to cbb.		S.W.	Calm.	0			30.10	74	67	67	oc.	c.n.	"	10		
5			N.N.E.	"	0			30.11	73	67	67	"	"	—	10		
6			"	S.S.E.	2			30.12	73	66	66	bc	"	"	8		
7			"	"	1			30.13	74	66	66	bcl	"	"	8		
8			N. by W.	Calm.	0			30.13	74	66	66	"	"	"	8		
9			"	"	0			30.13	74	65	65	"	c.s.	"	8		
10			North	"	0			30.13	72	65	65	"	"	"	7		
11			"	"	0			30.13	72	65	65	"	"	"	6		
Mid.			N.W. by N.	"	0			30.13	71	65	65	"	"	"	6		

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, September 20th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

commences and until 4 A.M.

Fair to cloudy. Bright moonlight. Calm first hour. Light S.E. airs and breezes last three hours. Course E.S.E. ¼ E. (P.S.C.), under steam alone. At 2:20 sighted Tarifa Light bearing E. by S. (P.S.C.). At 2:32 changed course to S.E. by E. ¾ E. (P.S.C.) Rec'd Log 32.2. At 3:35 Cape Spartel Light was abeam on Stbd. hand 12 miles distant. At 3:00 stopped distilling. Passed several steamers. At 4:00 Tarifa Light was on port bow bearing E. N. E. ¼ E. (P.S.C.). Av. steam 54. Rev 27.4.

C. W. Jahn
Lieut., U. S. N.

4 to 8. A.M.

Overcast and cloudy. Light airs to moderate breeze from S.E. to N. N. E. Barometer rising. At 4:30 sighted Europa Pt. Lt. two points on port bow. Tarifa Lt. was on bow at 5:00 and on beam at 4:30, pat. log 94.2, changed course to E.N.E. ¾ E. After 5:00 o'clock standing into anchorage. At 7:20 let go port anchor in 19 fathoms of water and veered to 60 fathoms on port chain. Bearings of anchorage, S.W. tangent Pt. Europa S. 17° E. (P.C.), Queens Lookout S. 77° E. (P.C.), ships head N.E. by E. ¼ E. (P.S.). Officer from "Polyphemous" made boarding call. At 8:00 fired a salute of 21 guns, British flag at main. Health Officer boarded and the ship was granted pratique.

C. Belcher
Ensign, U. S. N.

8. A.M. to Meridian.

Overcast and cloudy, with drizzling rain first half. Light breezes from E.N.E. and East. Barometer steady. Battery on shore returned National salute of 21 guns at 8:10. An Officer was sent to return the boarding visit by H.M.S. "Polyphemous". At 9:30 H.M.S. "Polyphemous" left the harbor. Sent down topgallant yards and masts. Planed masts smooth, shifted them and sent them up again.

W. J. Marion,
Ensign, U. S. N.

Meridian to 4 P.M.

Overcast and cloudy. Light airs to light breezes from East. Light rain falling second and third hours. Barometer falling slowly. Let fires die out in B Boiler at 3:00.

J. F. Baldwin Ensign, U. S. N.

4 to 8 P.M.

Overcast and cloudy, with occasional lightning. Light airs from S.S.E. and calm. Barometer steady. Exercised at Fire Quarters at 7:47; Divisions reported ready as follows:- 4th, ½ minute; Navigators, 1 minute; Bugler, 1½ minutes; 3d and 2nd, 2 minutes; 1st, 2¼ minutes; 5th, 3 minutes. Secured in 5 minutes.

W. J. Marion,
Ensign, U. S. N.

8 P.M. to Midnight.

Cloudy first part, then clearing. Bright moonlight. Calm. Barometer steady.

J. F. Baldwin Ensign, U. S. N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, in tenths.	State of the Sea.
A. M.																		
1				W. by N.	Calm.	0			30 09	69	63	63		bcw	S-cu.		8	
2				W. N. W.	"	0			30 10	69	63	63		"	cu.		6	
3				N. by E.	W. N. W.	1			30 11	69	63	63		"	"		5	
4				N. W.	"	1			30 08	69	63	63		"	cu.		5	
5				"	"	1			30 08	67	63	63		"	"		4	
6				North	"	1			30 09	67	63	63		"	"		6	
7				N. by W.	"	1			30 11	70	64	63		bc.	"		6	
8				"	"	1			30 12	68	64	62		"	a-cu		8	
9				"	Calm.	0			30 14	69	66	62		"	cu		5	
10				North	"	0			30 16	78	68	67		"	"		5	
11				"	"	0			30 17	82	73	71		"	"		6	
Noon.				"	"	0			30 17	82	73	71		"	"		5	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 75-74 73-72
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 910 lbs.

Coal remaining on hand at noon, 123 " 685 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, in tenths.	State of the Sea.
P. M.																		
1				S. S. W.	S. S. W.	1			30 13	76	74	71		bc.	cu	S	3	
2				S. x W.	"	1			30 11	73	73	70		"	"	"	3	
3				S. S. W.	"	1			30 11	74	76	73		"	"	"	3	
4				S. W. x W.	"	1			30 10	75	74	72		"	"	"	3	
5				W. x S.	"	1			30 10	75	72	70		"	"	"	4	
6				North	S. W.	1			30 10	74	71	70		bcw	"	"	4	
7				N. N. W.	"	1			30 10	73	70	70		bcwd	"	"	3	
8				"	Calm	0			30 11	72	68	67		"	"	"	3	
9				N. x E.	"	0			30 12	71	66	66		"	cu	"	1	
10				North	"	0			30 12	69	64	64		"	"	—	1	
11				N. x W.	"	0			30 11	69	63	63		"	"	—	1	
Mid.				"	W. S. W.	1			30 11	68	63	63		bcw	"	—	1	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, September 21st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Calms to light W. N. W. ly airs.
Bright moonlight.

Ralph Earle.
Ensign, U. S. N.

4 to 8 A.M.

Fair with heavy dew first half, clear and pleasant afterwards. Light airs from W.N.W. Barometer rising slowly. At 4:45 stopped distiller, tanks being full, (3200 gallons water). Received in department Supplies and Accounts, the following fresh provisions:- 154 lbs. bread, 198 3/4 lbs. meat; 198 3/4 lbs. vegetables. Rove off cat and fish falls.

W. F. Manion,
Ensign, U. S. N.

8 A.M. to Meridian.

Clear and fine. Warm. Light airs from W.N.W. and calm. At 8:15 hove in to 45 fathoms on port chain. A. T. Martini (A.B.) was released from confinement by order of the Captain his term having expired and E. S. Kirk (A.B.) was placed in solitary confinement for 5 days on bread and water for being continuously dirty and throwing clothes overboard. At 9:30 mustered at quarters, no absentees. At 9:00 loosed sail to dry. Called away all boats for distant service at 9:35. Boats reported ready as follows; 1st Cutter 4½ minutes, Whale Boat 5 minutes, 3rd Cutter 6 minutes, 4th Cutter 7½ minutes, 2nd Cutter 8 minutes. Sent boats out for exercise under oars. At 10:45 the American Consul visited the ship. Furled sail on departure of Consul. Fired a salute of 7 guns, American flag at fore. At 11:00 loosed sail to dry and furled at 11:50. Making preparations for shifting topsails. Let fires die out in 4 Boiler at 9:15. The Captain made official call on Comdg Officer of H.M.S. "Devastation", the Governor of Gibraltar and the Admiral in command of Naval Station.

W. F. Manion Ensign, U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Light S.S.W. ly breezes. Barometer falling slightly. Shifted topsails, pk, and fore topmast staysail. Comdg Officer of H.M.S. "Devastation" returned the call of the Comdg Officer. Overhauled the battery.

Ralph Earle,
Ensign, U. S. N.

4 to 8 P.M.

Clear and fine. Moonlight last hour. Light airs from S.S.W. and S.W. Barometer steady. Crossed topgallant yards at 4:15. Mustered at quarters at 4:30 and served out clean hammocks.

W. F. Manion Ensign, U. S. N.

8 P.M. to Midnight.

Clear and pleasant. Calms to light W.S.W. airs. Bright moonlight.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Larkin.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				W. S. W.	W. S. W	1			30 11	68	63	63		bew	cu-cu	S.E.	4	
2				N. W. x W.	West.	1			30 11	68	63	63		"	"	"	4	
3				South.	South	1			30 10	68	63	63		"	"	"	4	
4				S. S. E.	"	1			30 10	67	62	62		"	"	"	6	
5				N. W.	Calm.	0			30 10	66	62	62		"	"	—	4	
6				North	"	0			30 10	68	62	62		"	"	—	4	
7				N. x W.	"	0			30 11	69	63	62		bc	"	—	4	
8				"	"	0			30 14	69	65	64		"	"	—	3	
9				"	South	1			30 17	78	68	64		"	"	—	3	
10				S. E.	"	1			30 17	74	68	64		"	"	—	3	
11				W. x S.	S. W.	2			30 17	74	72	68		"	"		3	
Noon.				"	"	1			30 17	76	73	67		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 75-74 72-71
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, tons, 45 0 lbs.

Coal remaining on hand at noon, 129 " 235 "

P. M.																		
1				S. S. W.	S. S. W.	3			30 16	79	75	71		bc	cu-cu	S.W.	5	
2				"	"	2			30 15	78	73	70		"	cu-n	"	5	
3				"	S. W.	3			30 15	77	73	71		"	cu-cu	"	5	
4				S. W.	West.	2			30 15	77	73	70		"	"	"	6	
5				W. x N.	W. by N.	2			30 15	77	75	70		"	"	—	7	
6				N. W. x N.	W. N. W.	1			30 15	76	71	69		"	cu.	W	1	
7				North	Calm.	0			30 18	76	70	69		bcwl	"	—	1	
8				"	"	0			30 21	74	69	68		"	cu.	—	2	
9				N. W.	N. N. W.	1			30 21	71	67	67		bew	"	—	1	
10				West.	"	1			30 21	71	67	66		"	"	—	2	
11				North.	Calm.	0			30 21	70	66	66		bwm	none	—	0	
Mid.				N. E.	"	0			30 21	69	65	65		"	"	—	0	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, September 22nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Light variable airs.

C. W. Fahs
Lieut, U. S. N.

4 to 8 A.M.

Clear and fine. Calm. Received in Pay Dept. for issue 159 lbs bread, 198½ lbs each fresh meat and vegetables.

H. R. Baldwin Ensign, U. S. N.

8 A.M. to Meridian.

Fair and pleasant. Light South to S.W. & airs and breezes. At 9:30 went to general quarters, ready in 5 minutes. Secured at 9:50. Inspected bedding and hammocks of crew. Lowered gaffs and scraped them. Overhauling blocks aloft. The aide to Governor of Gibraltar returned the call of the Comdg Officer. Wardroom officers called on H.M.S. "Elevastation." H.M.S. "Polyphemus" came in and anchored.

Ralph Earle,
Ensign, U. S. N.

Meridian to 4 P.M.

Gentle to light breezes from S.S.W. to West. Made weekly test of magazine flood and drain cocks and found them in good order. Exercised boats under sail.

C. W. Fahs
Lieut, U. S. N.

4 to 8 P.M.

Fair and pleasant. Light variable breezes and airs to calm. Barometer rising. At 4:30 mustered at quarters and turned in scrubbed hammocks. Painted gaffs and hoisted them. Cleaned and disinfected bilges. Moon rose at 7:40.

Ralph Earle,
Ensign, U. S. N.

8 P.M. to Midnight.

Fair and cool. Bright moonlight. Light N.N.W. airs first half - calm remainder.

C. W. Fahs
Lieut, U. S. N.

Examined and found to be correct.

F. F. Leiper,
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1				North	N.W. by N.	1			30 19	69	66	66		bcw.	cu.		1	
2				S.S.W.	"	2			30 17	67	66	66		"	"		1	
3				S. x W.	Calm.	0			30 16	69	65	65		"	"		1	
4				"	"	0			30 16	70	66	66		"	"		1	
5				"	"	0			30 16	70	66	66		"	"		2	
6				S.W.	"	0			30 18	73	67	67		"	"		3	
7				"	"	0			30 19	74	68	67		"	"		3	
8				"	"	0			30 21	74	68	67		bc.	"		3	
9				N. x E.	Variable.	0-1			3025	84	74	72		"	"	S.W.	2	
10				N.N.W.	"	0-1			3025	84	74	72		"	"	"	2	
11				W. x N.	S.S.W.	1			3024	81	74	72		"	"	"	2	
Noon.				S.S.E.	"	1			3023	78	75	72		"	"	"	2	

Position at 8 A. M. { Latitude by) ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 76-74 72-71

Position at noon:
- Latitude by observation ° ′ ″
- Longitude by observation ° ′ ″
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 650 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 122 " 2125 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1				S.S.W.	West.	1			30 20	78	78	74		bc.	cu.	S.W.	2	
2				"	"	1			30 20	78	78	74		"	"	"	2	
3				"	"	1			30 18	77	76	74		"	"	"	3	
4				W.S.W.	"	2			30 18	77	77	73		"	cu-cu	"	3	
5				N.W. x N.	"	1			30 19	78	74	72		"	cu		3	
6				"	"	2			30 19	75	71	70		"	"		3	
7				"	N.W.	3			30 19	72	70	69		"	"		2	
8				N. x W.	"	3			30 19	72	69	67		"	"		1	
9				"	"	3			30 19	72	68	67		"	"		2	
10				N.N.W.	"	3			30 18	89	66	66		"	"		2	
11				"	"	3			30 18	69	66	66		bcw.	"		3	
Mid.				North	"	2			30 18	69	66	66		"	"		1	

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, September 23rd , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Light N. W. by W. airs and calms. Barometer falling.

Ensign, U. S. N.

4 to 8. A.M.

Clear and pleasant. Calm. Barometer rising. Received in Pay Dept. 159 lbs. of fresh bread, and 198¾ lbs. each of fresh meat and vegetables.

Ensign, U. S. N.

8. A.M. to Meridian.

Clear and warm. Light variable airs. The Commander of U. S. S. "Polyphemus" called officially on the Commander, and also upon the Ward Room Officers. The Ward Room Officers of U. S. S. "Devastation" called officially upon the Commander, and also the Ward Room Officers. General cleaning going on.

Lieut., U. S. N.

Meridian to 4 P.M.

Clear hazy and warm. Light West'ly airs and breezes. Barometer falling slowly. British torpedo boat came in and went up towards dock yard. Sent liberty party on shore.

Ensign, U. S. N.

4 to 8. P.M.

Fair and pleasant. Light airs and breezes from West to gentle breeze from N. W.

Lieut., U. S. N.

8. P.M. to Midnight.

Clear and pleasant. Bright moonlight after 8:30. Gentle to light N. W. breeze. Barometer steady. Moon rose at 8:30.

Ensign, U. S. N.

Examined and found to be correct.

Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Gibraltar

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning Forms.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
1				E. x S.	N. N. E.	1			30 19	68	64	63		bw	none		0	
2				S. W. x S.	"	1			30 18	68	64	63		"	"		0	
3				S. W. x W.	"	1			30 17	68	65	63		"	"		0	
4				W. S. W.	"	1			30 16	68	65	63		"	"		0	
5				South	Calm	0			30 16	73	65	63		"	"		0	
6				S. W.	"	0			30 16	68	65	63		"	"		0	
7				W. x N.	"	0			30 17	73	66	65		bc	a.cu.		2	
8				W. N. W.	"	0			30 18	75	68	65		"	"		2	
9				S. S. E.	S. S. W.	2			30 21	77	72	68		"	"		2	
10				"	"	2			30 21	74	74	70		"	"		2	
11				"	"	3			30 21	76	74	71		"	"		2	
Noon.				S. x E.	"	3			30 21	76	74	71		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.
74-73 71-70

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 122 " 1225 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning Forms.	CLOUDS. Amount, at noon.	State of the Sea.
P. M.																		
1				S. S. W.	S. W.	2			30 18	77	76	73		bc	cu.	S W	2	
2				"	"	3			30 17	76	77	73		"	"	"	3	
3				"	"	2			30 16	77	77	73		"	a.cu		3	
4				South.	Calm	0			30 16	79	79	74		"	"		2	
5				"	S. W.	1			30 16	73	77	74		"	"		2	
6				"	"	1			30 16	72	70	70		"	"		3	
7				"	"	1			30 16	72	68	68		"	"		3	
8				"	"	1			30 17	71	67	67		bw	"		1	
9				"	"	1			30 18	69	66	65		"	"		1	
10				S. E. x E.	South	1			30 19	70	66	66		"	"		1	
11				N. E.	E. N. E.	1			30 19	70	67	66		"	"		1	
Mid.				"	N. E.	3			30 20	68	67	66		"	"		1	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, September 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light airs from N. W. & W. Barometer falling slowly. Bright moonlight and starlight.

W. J. Marion, Ensign, U. S. N.

4. to 8. A.M.

Clear and pleasant. Calm. Received on Pay dl cpit. for crew fresh provisions as follows: 159 lbs of bread, 198½ lbs meat, and 198½ lbs vegetables.

C. W. Parks
Lieut, U. S. N.

8. A.M. to Meridian.

Clear and pleasant. Light to gentle S. S. W. breezes. Barometer steady. At 9:30 mustered at quarters, after which the Captain inspected the ship with the crew at quarters. At 10:00 held divine service. The Captain assigned the following punishments: G. M. Weichelt (a.s.c), A. N. Moore (a.s.c) R. Perino (a.s.c), G. H. Purnhagen (a.s.c), A. Wallizer (a.s.c), C. L. Beede (a.s.c), C. C. Tamke (a.s.c), Failing to man boats promply, 8 hrs extra duty each; N. A. Moore (a.s.c), C. Senft (a.s.c), N. T. Hines (a.s.c), R. Lewis (a.s.c), J. B. Mallon (a.s.c), N. E. Terrill (a.s.c), C. W. Logsdon (a.s.c), F. G. Mehling (a.s.c) and M. C. Danielson (a.s.c), Failing to lay aft when word was passed for 4th Cutters crews to fall in on quarter deck, 8 hours extra duty each; C. A. Mullen (a.s.c), Smoking in boat while boat keeper, 1 weeks extra duty; J. W. F. Hyde (a.s.c), Repeatedly failing to report boat time while on orderly watch, 1 weeks extra duty; J. P. Geary (a.s.c) Failing to man calamar- and falls and continued disrespect, 3 days solitary confinement on bread and water. A salute of fifteen guns was fired from Algeciras at noon By order of the Captain A. S. Cooper, Matt, was released from confinement, his term having expired. W. J. Marion and J. P. Geary a.s.c., was confined for 3 days solitary confinement on bread & water in accordance with

Ensign, U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Light and gentle breezes from S. W and calm. Barometer falling slowly. Sent ashore liberty party 2 men and apprentices.

W. J. Marion
Ensign, U. S. N.

4. to 8. P.M.

Clear and pleasant. Light S. W. airs. Barometer steady. At 5:55 started fires under boiler "A" for auxiliary purposes, having previously hoisted the smoke pipe. At sunset a salute of fifteen guns was fired at Algeciras

W. J. Marion
Ensign, U. S. N.

8. P.M. to Midnight.

Clear and pleasant. Light airs from S. W., South, and S. W. S. - increasing to gentle breeze last hour from W. & S. Barometer rising slowly. Moon rose about 9:15. Started distilled water forward into ships tanks about 10:15.

W. J. Marion
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 22 Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, quarters.	State of the Sea.
A. M.																		
1				N. E.	N. E	2			3021	68	67	66		bw	nme	-	0	
2				East.	"	2			3020	68	66	66		bcw	cu	E.	2	
3				E x S.	"	2			3020	68	65	65		"	s.cu	N.E	7	
4				S.S.E.	"	2			3020	68	65	65		"	"	"	7	
5					S. E.	3			3020	72	67	66		"	"	E.	7	
6				East.	East.	3			3021	71	70	67		bc.	"	"	8	
7				N. x E.	"	2			3023	70	69	66		"	"	"	8	
8				N. N. E.	"	2			3025	69	69	66		"	"	"	8	
9				"	"	2			3026	69	68	65		"	"	"	8	
10				N. E.	"	2			3027	73	72	69		"	a.cu	N.E	7	
11				E. N. E.	"	2			3027	75	74	71		"	"	"	6	
Noon.				East.	"	2			3028	78	77	72		"	"	"	6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 74-73 78-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 15000 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 121 " 765 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, quarters.	State of the Sea.
P. M.																		
1				E. S. E.	East.	4			30 27	79	74	69		bc	a.cu	E	5	
2				S. S. E.	"	4			30 25	79	73	68		"	"	"	4	
3				S x E	E. S. E.	4			3023	75	74	72		"	"	"	3	
4				"	"	3			3023	82	75	72		"	"	-	2	
5				South.	East	2			3023	85	74	72		"	cu.	E.	1	
6				S. E.	E. N. E.	2			3023	78	68	68		"	"	"	1	
7				E. by S.	"	1			30 23	74	66	66		bcw	"	"	1	
8				N. E.		1			30 23	70	66	66		"	"	"	4	
9				N. E.	N. E.	3			3023	69	66	67		"	"	"	3	
10				E. N. E.	"	2			3023	68	66	67		"	a.cu	"	4	
11				E. by N.	"	2			3023	68	66	67		"	"	"	5	
Mid.				"	"	2			3023	67	66	67		"	"	-	5	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, September 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Clouding over at 2:30 then clearing. Light breeze from N. E. Barometer steady.

H. R. Baldwin Ensign, U. S. N.

4 to 8 A.M.

Cloudy and pleasant. Gentle to light breeze from S. E. and East. Barometer rising. Received in Pay Office for issue to the crew the following fresh provisions: 159 lbs of bread, 198 ¾ lbs each of beef and vegetables. Rigged out [illegible] Launch.

[illegible]
Ensign, U. S. N.

8 A.M. to Meridian.

Clear and pleasant. Light breezes from East. Barometer rising slowly. Exercised at "Clear ship for action" (call sounded at 9:34) and "General Quarters" (call Sounded at 9:59). Divisions Reported ready as follows: 5th, 1 minute; Powder, 2 minutes; 1st, 2½ minutes; 2nd, 3 minutes; 3rd, 3½ minutes; 4th, 4 minutes; Navigators, 6½ minutes. Secured from "General Quarters" in 3½ minutes. At 9:30 the Captain left the ship to call on the Comdg Officer of H. M. S. "Polyphemous" and returned on board about 11:00. A mail steamer of the Peninsula Steam Navigation Company came in and anchored, also the mail steamer "Brittania" of the P and O. Company.

W. H. Marion,
Ensign, U. S. N.

Meridian to 4 P.M.

Clear and fine. Warm. Moderate to gentle breeze from East and E. S. E. Sent liberty party of boys ashore at 1 o'clock. Crew engaged in overhauling blocks. Ward Room Officers called officially on Comdg Officer and Ward Room Officers of H. M. S. Polyphemus.

H. R. Baldwin
Ensign, U. S. N.

4 to 8 P.M.

Clear and pleasant, with heavy dew last half. Light breeze from East and E. N. E. decreasing to light airs from E. N. E. Barometer steady. A visiting party from H. M. S. "Earnest" came on board about 5:00 and left about 7:20. Liberty party of apprentices returned on board about 5:30.

W. H. Marion,
Ensign, U. S. N.

8 P.M. to Midnight.

Cloudy and pleasant. Light to gentle breeze from N. E. Moon rose at 10:15. At ten a steamer passing through the Straits Eastward, exchanged signals with H. M. S. Devastation.

H. R. Baldwin Ensign, U. S. N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 2nd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				E S E.	E by N.	3			30.22	67	65°	65°		bcw.	cu		2	
2				E by S.	"	3			30.22	67	65°	65°		"	"	"	1	
3				S. E.	"	3			30.20	67	65°	65°		"	"	"	1	
4				S by E.	"	2			30.19	68	65°	65°		"	"	—	1	
5				"	"	2			30.20	68	65°	65°		"	"	—	1	
6				"	N. E.	1			30.20	67	65°	65°		"	"	—	1	
7				N. W by N.	"	1			30.20	68	66	65°		bc.	"	—	1	
8				North	"	1			30.22	72	68	67		"	"	—	1	
9				E. N. E.	East.	1			30.24	75	74	71		"	"	E	2	
10				"	"	1			30.24	77	76	72		"	"	"	1	
11				"	"	1			30.24	80	76	73		"	"	—	1	
Noon.				E. x S.	"	0-1			30.24	82	78	74		"	"	—	1	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Alt.

Position at noon: { Latitude by observation ° ′ ″ 74.73 71.70
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5.00 gallons.

Water distilled during the preceding 24 hours, 15.00 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 119 " 1645 "

P. M.																		
1				South	Calm	0			30.24	82	78	74		bc	cu	—	1	
2				S. x W.	South	1			30.24	82	81	77		"	"	—	2	
3				S. W.	"	1			30.21	82	82	77		"	"	—	2	
4				"	Calm	0			30.20	78	80	76		"	cu-cu	S	2	
5				"	W. S. W.	1			30.19	78	77	74		"	"	—	3	
6				S. S. W.	Calm	0			30.19	77	74	73		"	"	—	6	
7				W. S. W.	"	0			30.19	73	69	68		bcw.	mne	—	0	
8				North	"	0			30.19	73	68	68		"	"	—	0	
9				"	"	0			30.20	72	67	67		"	"	—	0	
10				N. N. E.	"	0			30.18	71	66	66		"	"	—	0	
11				"	"	0			30.18	70	66	66		"	"	—	0	
Mid.				S. S. E.	"	0			30.18	70	65	65		"	"	—	0	

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, September 26th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Gentle to light E. by N. Lg breezes. Moonlight.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant; heavy dew first hour. Light breeze from E. by N. falling to light airs from N.E. Barometer steady, but rising slowly last hour. Rove off cat and fish falls and brought to the chain. Received in the Department of Supplies and Accounts the following fresh provisions:- 159 lbs. bread, 198¾ lbs. meat, and 198¾ lbs. vegetables.

W. J. Marrow,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and warm. Calm to light airs from East. At 8:15 got underway and changed anchorage, using one boiler. At 8.42 came to anchor in 17 fathoms with 5 to 6 fathoms stbd. chain. Secured engine and proceeded to distil. Sextant angles from anchorage S.W. Tangent Europa Pt. to N.W. corner of the first bastion South of King's Bastion 33°00'. N.W. corner of bastion to old moorish tower 26°50'. At 9:30 mustered at quarters, no absentees. Sent out four cutters, whale boat, and dinghy for exercise under sail. The Captain awarded punishments as follows: C. L. Beede and H. T. Hines (a.s.3.c.) 4 hrs. extra duty for stowing shoes in hammock netting. J. C. O'Donnell, W. F. Towle, E. de Royal & J. Whelan (a.s.3.c.), reduced to 4th Conduct Class for returning light from leave. H. F. Martini (a.s.3.c.) was confined for 5 days on bread and water for lying and being continually dirty. W. F. Towle (a.s.3.c.) was confined for 3 days on bread and water for using threatening and abusive language to Master-at-Arms. E. S. Park (a.s.3.c.), was released from confinement this term having expired. Ward Room Officers of U.S.S. Polyphemus called officially on the Ward Room.

F. C. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Clear and very warm. Calms to light airs from South. Exercised at crossing light yards, loosing and furling sail.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Clear and fine. Calm and light airs from W.S.W. Crew went in swimming at 6 P.M. Sent liberty party of men ashore at 5:30.

F. C. Baldwin Ensign, U.S.N.

8 P.M. to Midnight.

Clear, cool, and calm. Heavy dew. Moon rose at 11:05.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Fleet Navigator.

LOG of the UNITED STATES Training Ship Essex 2nd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, each in tenths.	State of the Sea.
A. M.																		
1				S.W.	Calm.	0			30 16	64	63	63		bw	mc		0	
2				S.S.E.	"	0			30 16	66	63	63		"	"		0	
3				N.E. x N.	N.W.	1			30 16	67	64	64		"	"		0	
4				N.N.E.	"	1			30 16	67	64	64		bmw	a.cu		4	
5				N.E.	Calm.	0			30 15	69	63	63		"	"		7	
6				S. x E.	"	0			30 15	69	62	62		ofw	S.		10	
7				W.S.W.	"	0			30 16	67	62	62		"	"		10	
8				"	W.N.W.	1			30 17	70	64	64		bcm	cu.		5	
9				"	W.S.W.	1			30 19	76	68	66		"	"		2	
10				W. x N.	"	1			30 21	81	74	69		"	"		0	
11				W.S.W.	S.W.	1			30 20	79	74	70		"	"		1	
Noon.				S. x E.	"	1			30 19	78	73	71		bcf	"		8	

Position at 8 A. M. { Latitude by ° ' " Mag Ocmpa.
Longitude by ° ' " For Aft

Position at noon: { Latitude by observation ° ' " 74.73 71.70
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 161 " 258 "

P. M.																		
1				South.	South	3			30 15	79	76	79		bcm.	Fcu.	S.	1	
2				S. " W.	S.W.	3			30 15	80	78	74		"	"	S.W.	1	
3				S.S.W.	"	4			30 13	79	77	73		"	"	"	1	
4				"	"	4			30 12	78	77	72		"	"	"	1	
5				"	"	2			30 14	78	77	72		"	"	"	1	
6				"	"	1			30 14	78	73	70		"	"	"	1	
7				W. x S.	"	1			30 15	78	73	70		bw	mc	-	0	
8				West	"	1			30 15	78	71	70		"	"	-	0	
9				N.W. x N.	Calm.	0			30 15	76	70	68		a	"	-	0	
10				N.E. x N.	"	0			30 15	74	68	66		"	"	-	0	
11				N.N.E.	"	0			30 14	72	67	65		"	"	-	0	
Mid.				N.E. x E.	"	0			30 14	72	67	65		"	"	-	0	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, September 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Calm first half. Light N.W. airs remainder. Heavy dew. At 12:45 stopped distilling and banked fires.

C. M. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Misty, settling at 6:00 to heavy fog. Calm with light airs from W. N. W. last hour. Received in Pay Department for issue 159 lbs. fresh bread, 1983¼ lbs. each meat and vegetables. Fog bell going last two hours.

F. R. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Generally fair and very warm, with thick fog last half hour. Light variable airs. Exercised at rousing and sending down light yards, loosing and furling sail. At end of drill light yards down and sail furled. Two coal lighters came alongside at 8:15 and coaled ship until 10:30. Took aboard 42 tons 13/3 lbs. of coal in Equipt. Dept. Lighters left at 11:30. At 8:00 allowed fires to die out under boiler A and lowered smokestack. By order of the Condg. Officer released J. P. Geary, A.B.C., from confinement, his term having expired.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and warm. Hazy. Gentle to moderate breezes from South to S.W. Received on board in Construction Dept. 15 gals. Alcohol, 25 gals. Turpentine, 25 lbs. of Shellac Gum, and 100 lbs. of Portland Cement. Taking water from water boat for use in the boilers. Exercised with topgallant and royal yards.

C. M. Fahs
Lieut., U.S.N.

4 to 8 P.M.

Clear and warm. Light S.W.ly airs and breezes. At sunset sent down light yards. Received in Ordnance Dept. two elevating shafts for 4" R.F.G.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Calm.

C. M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

E. F. Leppien
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				N. x W.	Calm.	0			30 14	72	67	65		b	fme		0	
2				S. W.	West.	3			30 13	70	67	65		"	"		0	
3				"	"	2			30 13	71	67	65		"	"		0	
4				"	"	2			30 13	71	67	65		bc	cu	W.	2	
5				N. W	N. W.	1			30 13	72	67	67		"	"		1	
6				N. x W.	"	2			30 14	70	67	64		"	cu.		1	
7				S. W. x W	"	3			30 15	69	67	63		"	"		1	
8				"	"	4			30 17	75	67	64		"	"		1	
9				"	"	3			30 20	75	68	65		"	"		2	
10				"	"	3			3022	80	69	66		"	"		3	
11				N. W.	West	3			3022	84	69	66		"	"		3	
Noon.				West	"	3			3022	86	70	67		"	"		3	

Position at 8 A. M.: Latitude by ° ' " Mag. Temp

Longitude by ° ' " For. Att

Position at noon: Latitude by observation ° ' " 75-74 70-69

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2260 "

Coal consumed during the preceding 24 hours, tons, 135-0 lbs.

Coal remaining on hand at noon, 160 " 1148 "

P. M.																		
1				N. W	W. N. W.	4			30 23	84	76	71		bc	fme	N.W.	5	
2				N. W. x W.	"	5			30 23	84	75	69		"	"	"	4	
3				"	"	5			30 21	81	73	67		"	S-cu	"	5	
4				W. N. W.	N. W.	5			3020	79	72	66		"	"	"	5	
5				West	W. N. W.	3			30 21	79	73	68		"	cu		4	
6				S. W. x S.	"	2			30 19	79	69	66		"	cu		4	
7				W. S. W.	"	1			30 18	71	68	65		"	"		1	
8				W. x N.	"	1			30 18	72	66	65		b	fme		0	
9				N. W.	N. W.	3			30 19	71	66	66		bw	"		0	
10				N. E. x N.	"	1			30 18	73	66	65		"	"		0	
11				North.	"	1			30 19	73	65	64		"	"		0	
Mid.				N. x W.	"	2			30 18	73	65	64		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, September 28th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calm first hour. Gentle to light breezes from West. Barometer steady. Moon rose at 12:10.

Ensign, U. S. N.

4 to 8 A.M.

Clear and pleasant. Light airs to moderate breezes from N. W. Barometer rising. Crossed light yards at 8:00. Received in Pay Dept. 159 lbs of fresh bread, and 198¾ lbs. each of fresh meat and vegetables. British transport "Nubia" came in.

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian

Fair and pleasant. Gentle breeze from N. W. to West. The Commander awarded the following punishments: P. C. Kaminsky (apps. 3 c) absent from station at sail drill, 4 hrs. extra duty; J. J. Thornton (apps. 3 c) shirking drill 8 hrs extra duty. Exercised at Battalion Drill in heavy marching order. Threw overboard the mattress and mattress cover of A. F. Burr (apps. 3 c), as they were found to be soaked with urine.

C. McFarlo
Lieut., U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Moderate to stiff W. N. W. and N. W. breeze. Barometer falling slowly. British steamer left proceeding to West'd. Small Spanish steamer came into port.

Ensign, U. S. N.

4 to 8 P.M.

Fair and pleasant. Gentle breeze to light airs from W. N. W. At sunset sent down topgallant and royal yards.

C. McFarlo
Lieut, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Gentle breeze to light airs from N. W. Barometer steady.

Ensign, U. S. N.

Examined and found to be correct.

P. F. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Gibraltar, Spain.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				N.W. x N.	S.W.	2			30 16	70	67	65		bw	mre		0	
2				W. N. W.	"	1			30 15	70	67	65		"	"		0	
3				"	Calm.	0			30 14	71	66	65		"	"		0	
4				W x S.	"	0			30 13	70	65	64		"	"		0	
5				N. W. x N.	"	0			30 14	70	63	63		"	"		0	
6				"	S.W.	1			30 14	70	63	63		bc	a.cu		2	
7				North	N. by W.	1			30 14	71	65	63		"	"		2	
8				N. E.	"	1			30 15	74	76	62		"	"		1	
9				S.W. x W.	West.	4			30 17	72	75	70		"	cu.	W	3	
10				W.S.W.	"	3			30 17	74	73	69		"	"	.	4	
11				West	W. N. W.	2			30 17	78	75	71		"	cu	—	4	
Noon.				N. W.	N. W.	1			30 17	78	77	72		"	"	—	4	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For Aft

Position at noon: { Latitude by observation ° ' " 74-73 70-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 160 " 698 "

P. M.																		
1				N. W.	N. W.	3			30 16	78	77	72		bc	cu	W.	4	
2				W. N. W.	West.	3			30 14	78	77	72		"	"	"	0	
3				"	"	2			30 11	75	74	70		"	"	"	7	
4				N. W.	N. W.	3			30 11	74	70	68		"	a.cu	"	7	
5				N. N. W.	W. N. W.	4			30 10	73	71	68		"	"	"	6	
6				W. N. W.	"	3			30 10	71	67	65		"	"	N.W	7	
7				"	"	3			30 10	71	65	64		bw	None	—	0	
8				"	"	3			30 11	73	64	64		bc	cu	—	2	
9				North	"	2			30 11	73	66	63		"	"	—	3	
10				"	"	1			30 12	72	67	63		"	"	—	3	
11				S. W.	West.	3			30 12	69	67	63		"	"	—	2	
Mid.				S.W. by W.	"	3			30 10	69	66	63		"	"	—	1	

under the command of Commander Frank Courtis , U. S. Navy,

Friday, September 29th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear, with heavy dew. Light breeze from S.W. falling to light airs and then to calms. Barometer falling slowly. Bright moonlight (moon rose about 12.10-8).

W. J. Manion
Ensign U.S.N.

4 to 8 A.M.

Clear and pleasant. Calm first hour, light variable airs remainder. Received on Pay Dept. for the crew fresh provisions as follows: 159 lbs of bread, 198¾ lbs. of meat, and 198¾ lbs. of vegetables.

C. M. Fahs
Lieut., U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Moderate breezes to light airs from West to N.W. Barometer steady. At 9:30 went to general quarters, all divisions reporting ready in 3¾ minutes and at 9:44 secured, all divisions reporting secured in the same time. The Captain assigned the following punishments: C.P. Cox (App. S.C.), Turning in his Hammock at 7:30 P.M. when Hard was passed to man boats falls, 3 days solitary confinement on bread and water. G. J. O'Neill (App. S.C.), Throwing things about gun deck, 4 hrs. extra duty. H. J. Meeks (Edo.), Returning from liberty drunk and unfit for duty, reduced to Second Conduct Class. By order of the Captain, C.P. Cox (App. S.C.) was confined in accordance with the above punishment assigned. W. F. Towle (App. S.C.) was released from confinement by the same authority his term having expired. Cleaned and disinfected bilges. Mamoth Cargo Steamer came into port.

W. J. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle breezes from N.W. and light breezes from West. Barometer falling slowly. Bent royals and topgallant sails and crossed light yards. Making preparations for sea. The Gunner made weekly test of magazine flood and drain cocks and found them in good condition. Bent main topmast staysail.

W. J. Manion
Ensign, U.S.N.

4 to 8 P.M.

Fair to clear and pleasant. Moderate to gentle N.W. breeze. Barometer steady. Hoisted smoke pipe.

W. J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light airs and breezes from W. to N.W., increasing to gentle breezes from West. Barometer about steady.

W. J. Manion
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Gibraltar

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern h.	State of the Sea.
A. M.																		
1				West	W. N. W.	4			30 10	70	65	65		b.	Nme		0	
2				"	"	2			30 10	71	65	65		"	"		0	
3				W. x N.	"	3			30 10	70	64	63		"	"		0	
4				"	"	3			30 09	70	63	63		"	"		0	
5				N. N. W	N. W.	2			30 08	70	61	59		bc	cu		1	
6				"	"	2			30 08	68	61	59		"	"		1	
7				N x W.	"	1			30 09	68	61	59		"	"		1	
8				W. N. W.	"	1			30 11	73	64	61		"	"		1	
9				S. x W.	West	1			30 13	74	68	67		"	"		1	
10				"	W. N. W.	3			30 12	74	68	68		"	"		2	
11			8.5	East	W. S. W.	4			30 11	74	70	68		"	"		3	
Noon.	7	4	15.9	"	"	4			30 10	74	69	68		"	"		4	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag. Temp. For. Afft.

Position at noon: { Latitude by observation bearings 36° 8' 30" N. / Longitude by observation bearings 5° 8' 00" W. / Latitude by D. R. ° ' " / Longitude by D. R. ° " "

73-72 69-68

Course made good since preceding noon:

Distance made good since preceding noon: 11 miles.

Distance by Log since preceding noon: 9.4 miles.

Current per hour: 1.6 miles, set East true.

Position at 8 P. M. { Latitude by Obs. bearings 36° 18' 00" N / Longitude by Obs. 4° 8' 00" W.

Variation of compass: from chart 15° 20' W by

Error of compass observed at 4:20 P.M. 12° 16' "

Deviation of compass on East. 3° 4' E by

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, 1 tons, 1885 lbs.

Coal remaining on hand at noon, 15-8 " 1063 "

P. M.																		
1	6	1	22.0	East.	W. S. W.	4			30 05	76	71	67	65	bc	cu-cu		4	S
2	5	8	27.8	"	"	4			30 04	76	71	67	65	"	c "		4	"
3	5	0	33.8	"	W. by S.	4			30 03	79	70	67	65	"	cu-s.		4	"
4	5	0	39.8	"	"	4			30 02	80	70	67	65	"	"		4	"
5	4	6	42.2	"	"	4			30 01	76	68	61	63	"	"		4	"
6	4	7	46.4	"	"	4			30 00	73	67	61	63	"	"		3	"
7	4	0	50.4	E ¼ S.	W. S. W.	4			30 01	71	66	63	63	"	"		1	"
8	3	7	54.1	"	"	3			30 02	70	66	65	63	bw	Nme		0	"
9	3	8	57.9	E ½ S.	"	3			30 03	71	67	66	64	"	"		0	"
10	3	7	61.8	"	"	3			30 01	70	67	65	65	"	"		0	"
11	3	8	65.6	"	W. by S.	3			30 01	70	67	65	66	bw	cu-cu	NW	2	"
Mid.	3	6	69.2	"	"	3			30 01	70	66	65	66	"	"	"	1	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, Sept. 30th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright starlight. Moon rose at 2:00. Light to moderate breeze from W.N.W.

W. R. Gibson
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light breezes and airs from N.W. Barometer steady. Started fires under boilers "A" and "C" at five o'clock. Cleaning ship. Tested life buoys and found them in working order.

W. Gibson
Ensign, USN.

8 A.M. to Meridian.

Clear and pleasant. Light airs first hour from West, then gentle breeze from W.N.W. increasing to moderate breeze from W.S.W. Barometer falling slowly. Mustered at quarters at 9:30. No absentees. U.S.S. "Andromeda" came in and anchored at 9:00. Made preparations for getting underway. Connected up boilers "A" and "C" at 9:15. Called "all hands up anchor" about 9:45. Went ahead slow at 10:03 and full speed at 10:12. Set all sail except mainsail, stopped engine and uncoupled screw at 10:57. Low banked fires under boiler "C", and retained boiler "A" in use for distilling purposes. Sent distilled water forward to ships tanks at 11:30. Draft forward 14'-00"; amidships 15'-6"; aft 17'-00". Set course East (P.S.C.) at 11:00 and put over patent log reading 8.5. North end of Gibraltar rock (foot of rock) bearing N. 37° E (P.S.C.) and Europa Pt. Light-house N. 76° E. (P.S.C.) distant 2.7 miles. Took in spanker and main topmast staysail. Under all sail at end of watch save mainsail, spanker and main topmast staysail. Several vessels in sight. Av. revolutions 40.3; average steam pressure 5-0 lbs.

W. Wilkinson
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and fine. Moderate breeze from W.S.W. to W. by S. On course East under all sail except main topmast staysail and spanker. At 1:45 took in fore topmast staysail. Several steamers in sight. At 3:48 exchanged colors with British Str. City of Vienna Westward bound.

P. Baldwin Ensign, U.S.N.

4 to 6 P.M.

Clear and pleasant. Moderate W. by S. to W. breezes. Barometer slowly falling. At 5:10 went to fire quarters, divisions ready as followed: 1st, 2 min.; 2d, 1¾; 3d, 1¾; 4th, 5th, Nav., and Powder, 1½ min. Secured at 5:15 in 3 minutes. Took in topsail at 4:00. At end of watch on course East (P.S.C.) log 46.4, under square sails to royals, jib and flying jib.

Ralph Earle,
Ensign, USN.

6 to 8 P.M.

Fair and pleasant. Moderate to gentle breeze from W.S.W. At 6:00 changed course to E ¼ S. (P.S.C.). Under all square sail, jib, flying jib, and main topsail. At 7:00 took in and furled the royals and flying jib. Ship steady.

C. McFarland
Lieut., USN.

8 P.M. to Midnight.

Clear and pleasant. Gentle breeze from W.S.W. and W. by S. Barometer steady. Numerous steamers passed and standing both to the East'd and West'd. Under topsails, topgallantsails, foresail, jib and main topsail. Course E. ½ S. (P.S.C.).

W. Gibson
Ensign, USN.

APPROVED.

Examined and found to be correct.

Frank Courtis
COM'D'R., U.S.N., COM'D'G.

E. F. Leiper
Fleet Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Gibraltar to Algiers

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount. eas-ts-lt.	State of the Sea.
A. M.																		
1	3	4	72.7	S. ½ S.	W by S.	3			30.02	70	66	65	66	bw	cu.	NW.	2	8
2	2	0	74.7	"	"	2			30.02	70	66	65	66	"	"	"	1	"
3	1	0	75.7	"	"	1			30.01	70	67	65	66	"	"	"	1	"
4	1	0	76.7	"	"	1			30.00	71	67	65	66	"	"	"	1	"
5	1	0	77.8	"	"	1			29.98	69	65	65	66	"	"		1	"
6	1	3	77.3	"	"	1			29.99	68	65	65	66	bc	"		2	"
7	1	3	77.8	"	"	1			29.99	69	71	70	66	"	"		2	"
8	1	3	77.6	"	"	1			30.01	71	73	70	66	"	"		3	"
9	0	9	77.3	"	"	0-1			30.03	73	76	73	66	"	"		2	"
10	0	8	—	"	Calm.	0			30.03	78	84	79	66	"	"		1	"
11	0	5	77.3	"	"	0			30.04	76	84	79	67	"	"		1	"
Noon.	0	7	85.0	"	"	0			30.04	76	84	79	68	"	"		1	"

Position at 8 A. M. { Latitude by DR: 36° 21' 15" N. Mag Temp. 70
Longitude by Obs.: 3° 21' 30" W. For Aft. 70-69

Position at noon: { Latitude by observation: 36° 21' 52" N. 74 73
Longitude by observation: 3° 10' 42" W.
Latitude by D. R.: 36° 19' 30" N.
Longitude by D. R.: 3° 38' 00" W.

Course made good since preceding noon: N. 83° E.

Distance made good since preceding noon: 96 miles.

Distance by Log since preceding noon: 74 miles.

Current per hour: 0.1 miles, set N. 86° E. true.

Position at 8 P. M. { Latitude by DR: 36° 27' 52" N.
Longitude by Obs.: 1° 58' 00" W.

Variation of compass: from chart 15° 10' W. by

Error of compass observed at 4:38 P.M. 11° 9' W. by

Deviation of compass on E. ½ S. 4° 0' E. by

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 2 tons, 20 lbs.

Coal remaining on hand at noon, 156 " 1033 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount. eas-ts-lt.	State of the Sea.
P. M.																		
1	6	0	91.0	E. ½ S.	Calm.	0			30.02	48	77	73	68	bc	cu.		1	
2	6	7	97.7	"	"	0			30.02	85	79	75	69	"	"		1	
3	7	2	4.9	"	West	1			30.02	86	79	76	69	"	"		2	
4	7	1	12.0	"	"	1			30.02	87	79	76	69	"	"		2	
5	7	5	19.5	"	"	2			30.02	87	79	76	69	"	"		2	
6	7	4	26.9	"	"	2			30.01	87	79	76	67	"	"		2	
7	7	2	34.1	"	"	2			30.01	87	79	75	67	"	"		2	
8	7	2	40.3	"	"	2			30.00	87	77	75	67	"	"		2	
9	6	6	46.9	"	W.S.W.	2			30.01	77	74	73	67	bw	Nme		0	
10	7	1	54.0	"	"	2			30.02	74	73	71	67	"	"		0	
11	6	8	60.8	"	"	2			30.02	73	71	69	67	"	"		0	
Mid.	6	4	67.2	"	"	2			30.02	74	70	69	68	"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, October 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear, with heavy dew. Gentle breezes decreasing gradually to light airs from W. by S. Barometer falling very slowly. Moon rose about 2:50. Several steamers sighted. About 2:00 sighted Sacratif Light ½ point forward port beam. At 2:10 it was by bearing N. 21° E. (Mag.) On course E. ½ S. (N.S.C.) under same sail as in preceding watch.

W. J. Manion, Ensign, USN.

4 to 8 AM.

Clear and pleasant. Hazy around horizon. Light airs from W. by S. On course E. ½ S. under j'b, fore sail, topsails, topgallantsails, and trysail. At 5:10 set royals. Cape Sacratif Light in sight until daylight, bearing when last seen at 4:50, N. ¾ E. At 7:50 exchanged colors with British Str. "Sardinian Prince". Several steamers and sail in sight.

J. P. Baldwin, Ensign, USN.

8 AM to Meridian.

Clear and pleasant. Calm to light W. by S. ly airs. Barometer rose slightly. Took in main trysail at 9:00. By order of the Comdg Officer released H. L. Martini (App. 3 C), from confinement, his term having expired. At 9:15 inspected the divisions at quarters. At 9:30 held general muster, no absentees, and read the Articles of War. The Comdg Officer assigned the following punishments:- M. Ertl (App. 3 C), not manning boat when word was passed, reduced to 2d Class; F. L. Chapman, A. 3 C., carelessness as messenger, 8 hrs. extra duty; W. W. Totten and P. F. Lemoine, A. 3 C., using another boys blanket to sleep in on deck, reduced to 2d Class; L. L. Whitney, A. 3 C., spitting tobacco juice over the side, 8 hrs. extra duty; C. Hartman, A. 3 C., for attempting to steal from hammock, was placed in solitary confinement on bread and water for 5 days; and R. H. Comeroe, A. 3 C., for being slow and sullen in obeying orders, was placed as above for three days. Took in pat. Log at 3:00 reading 77.3, and sent it over again at 10:40. At 10:20 took in and furled all sail. At 10:37 started ahead on engines with boilers A and C in use, and at 10:40 went ahead full speed. The Chaplain held divine service. At 10:40 set clocks ahead 20 minutes. Four steamers passed, and two sail were in sight astern. At end of watch under steam alone, on course E. ½ S. (N.S.C.) Log 88.0. Average steam 90 lbs. Av rev. 38.6.

Roger Eares, Ensign, USN.

Meridian to 4 PM.

Fair and warm. Calm first half. Light airs from West remainder. Course E. ½ S. (N.C.), under steam alone. At 1:25 stopped distilling. Ship steady. Several steamers and sailing vessels in sight at times. Steam 44. Revs. 37.7.

C. M. Dakes, Lieut, USN.

4 to 6 PM.

Fair and hazy. Light West ly breeze. Barometer steady. Course E. ½ S. (Mag.) steaming. Average steam pressure 41. Revolutions 36.9. Sailing vessels in sight most of watch.

J. P. Baldwin, Ensign, USN.

6 to 8 PM.

Clear and pleasant. Light breezes from West. Barometer steady. Hauled in patent log about 7:15, it having become foul and cleared it. Set j'b, fore topmast staysail, main trysail and spanker at 7:40. Sighted a steamers white light one point forward port beam about 7:40 On course E. ½ S. (Mag.) under steam and sail. Av steam pressure 44 lbs., av rev 38.7.

W. J. Manion, Ensign, USN.

8 PM to Midnight.

Clear and pleasant. Starlight. Light breeze from W. S. W. On course E. ½ S. under steam and j'b, fore topmast staysail, trysail and spanker. Two boilers. At 8:00 sighted Mesa de Roldan light on port beam. Fixed it at 11:00 bearing about N. N. W. ½ W. (Mag.). Av steam 42. Av revolutions 36.

J. P. Baldwin, Ensign, USN.

Examined and found to be correct.

F. F. Leiper, Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making passage from Gibraltar, to Algiers

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Forces	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1	6	4	73.6	E ½ S.	W.N.W.	2			30 01	75°	72	68	68	b.	mne		0	
2	6	4	80.0	"	"	3			30 01	75°	72	68	68	"	"		0	
3	6	4	86.4	"	W.S.W.	2			30 01	76	73	68	68	"	"		0	
4	6	5	92.9	"	West.	1			30 01	78	73	68	68	bdl	cu.	S.W.	2	
5	7	1	100.1	"	"	1			30 01	78	73	68	75	"	"	"	2	
6	7	6	7.6	"	Calm	0			30 04	74	73	68	75	bc.	"		3	
7	7	0	14.6	"	S. by E.	1			30 06	74	74	70	75	"	"		4	
8	7	4	22.0	"	"	1			30 07	74	76	72	75	"	"		2	
9	6	8	28.8	"	S.S.E.	2			30 09	79	78	74	74	"	cu.		2	
10	7	2	36.0	"	"	2			30 11	82	76	76	74	"	"		2	
11	7	3	43.3	"	"	1			30 11	82	75	75	74	"	"		1	
Noon.	6	8	50.1	"	W. by N.	1			30 12	88	79	79	77	"	a-s.		1	

Position at 8 A. M. { Latitude by dlR 36° 34' 00" N. Mag. Temp
Longitude by Obs. 00° 19' 15" W. For. Aft.

Position at noon: { Latitude by observation 36° 30' 50" N. 77-73 77-76
Longitude by observation 00° 22' 15" E.
Latitude by D. R. 36° 37' 00" N.
Longitude by D. R. 00° 20' 00" E

Course made good since preceding noon:

Distance made good since preceding noon: 162.1 miles.

Distance by Log since preceding noon: 162.1 miles.

Current per hour: 0 miles, set 0 true.

Position at 8 P. M. { Latitude by dlR 36° 49' 45" N.
Longitude by Obs. 1° 18' 23" E.

Variation of compass: from chart 13° 50' W by

Error of compass observed at 4:10 P.M. 9° 30' "

Deviation of compass on East 4° 20 Ely.

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at noon, 1750 "

Coal consumed during the preceding 24 hours, 5 tons, 80 lbs.

Coal remaining on hand at noon, 148 " 500 "

P. M.	1	6	51.7	E ½ S.	"													
1	6	5	56.6	E. by N.	NNE	1			30 12	88	80	76	77	bc.	c.cu		1	S
2	6	9	63.5	"	"	1			30 11	87	79	76	77	"	"		1	"
3	6	7	70.2	"	"	2			30 09	82	79	75	77	"	c.cu		7	"
4	6	5	76.7	"	East	2			30 08	81	79	75	77	"	"		7	"
5	4	9	82.6	"	E.S.E.	2			30 07	80	78	75	77	"	"		8	"
6	6	3	88.9	"	E.S.E.	3			30 09	79	78	76	77	"	s-cu	S.E.	7	"
7	6	9	95.2	"	S.W.	3			30 13	81	77	75	77	bc.	bdl	cu.	1	"
8	7	3	2.5	E ½ N.	"	1			30 13	81	76	74	77	bdl	"	"	2	"
9	6	8	9.3	"	"	1			30 13	80	77	73	77	bdl	"	"	7	"
10	6	7	15.8	"	"	2			30 12	80	77	73	77	"	"	"	6	"
11	6	2	22.0	"	"	2			30 12	81	78	74	77	bc.	"	"	6	"
Mid.	6	2	28.2	"	"	2			30 12	81	78	74	77	"	"	"	8	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, October 2d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light to gentle breeze and airs from W.N.W., W.S.W., and West. Barometer steady. Bright starlight. Moon rose at 3:55. Heat lightning to South'd. At end of watch under steam and trysail, spanker, jib, and fore topmast staysail, on course E ½ S (Mag) log 92.9. Av. steam 41 lbs. Av rev. 35.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Fair and pleasant. Light airs from West first hour, calm 2d hour, and light airs from S by E. remainder. Course E ½ S (Mag). At 5:30 took in all fore and aft sail. Set all fore and aft sail except flying jib at 7:00. Ship steady. Sighted a steamer bound to West'd. Av steam 47.5. Rev 39.2.

C. W. Fahs
Lieut., USN.

8 A.M. to Meridian.

Clear and warm. Light variable airs. Barometer rising. At 9:00 by order of the Captain C. P. Cox (App. S.C.), was released from confinement his term having expired. At 9:30 mustered at quarters, after which exercised divisions as per routine. At 10:45 hauled down all fore and aft sail. Steamer in sight on stbd. hand standing to East'd. Course E ½ S (Mag), Steaming. Average steam pressure 44 lbs. Revolutions 37. Land in sight on stbd hand throughout the watch. The Captain assigned the following punishment:- C. W. Mullin (App. S.C.), Smoking in ranks at quarters formation, 8 hrs. extra duty.

Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant. Light airs from N.N.E. increasing to light breeze, hauling to East-East. Hour. Barometer falling slowly. Drilled as per routine. About 2:00 sighted a steamer broad off port bow and about 3:20, a sailing vessel, 3 masts on port bow. Sent down royal yards, unbent and stowed below flying jib, royals and main topmast staysail. The C. G. M. reported having loaded 125 saluting charges. Took bearings off anchors, and took out jackasses. An course E by N (Mag) under steam alone. Average steam pressure 46 lbs. average revolutions 37.3.

W. J. Marion,
Ensign, USN.

4 to 6 P.M.

Cloudy. Light to gentle breeze from East and E.S.E. On course E by N under steam alone. At 5:00 mended sail. At 6:00 sighted Cape Henry Light bearing S. 34° E. Av. steam 42. Av. revs. 36.5.

H. H. Bolton Ensign, USN.

6 to 8 P.M.

Cloudy with passing rain squall with lightning about 7:00. Gentle breeze to light airs from S by W. At 7:00, Cape Henry light abeam distant 15 miles, changed course to E ½ N (Mag) log 95.2. Several steamers in sight. At end of watch under steam, on course E ½ N (Mag.) log 2.5. Av steam 45. Av revs. 38.3.

Ralph Earle,
Ensign USN.

8 P.M. to Midnight.

Cloudy and pleasant. Light airs to light breeze from S by W. Under steam alone. Course E ½ N (Mag.) Several steamers in sight at times during the watch. Ship steady. At 9:36 Cape Henry Light was on the stbd quarter bearing W. ½ S. (Mag.) Log 13.5. Av steam 45. Revs. 39.2.

C. W. Fahs
Lieut, USN.

Examined and found to be correct.

F. T. Leigh
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Gibraltar, to Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, eighths.	State of the Sea.
A. M.																		
1	5	2	33.4	E by N.	N. E.	3			30 10	79	78	75	77	bc	S-cu		3	S
2	5	8	39.2	"	E. N. E.	2			30 10	79	78	75	77	"	"		4	"
3	6	1	45.3	"	E. S. E.	3			30 09	81	78	75	77	"	"		5	"
4	5	9	51.2	"	"	3			30 09	82	78	70	76	"	"		9	"
5	5	5	56.7	S. E. & E. by E.	"	2			30 09	82	78	75	76	"	"		8	"
6	6	1	62.8	"	S. E.	2			30 10	81	78	75	76	"	a-cu		7	"
7	6	4	69.2	"	"	2			30 12	81	78	75	76	"	"		7	"
8	6	5	75.7	"	"	1			30 15	83	82	74	76	"	"		5	"
9	6	3	76.0 82.0	S. E. by S.	"	2			30 16	83	76	76	"	"	"		5	"
10	6	5	88.5	Various	"	2			30 18	84	84	78	76	"	"		5	"
11	2	3		"	"	2			30 19	84	86	78	-	"	"		5	-
Noon.	Moored				"	2			3020	94	94	84	-	"	"		5	-

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. For. Aft.
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' " 70-74 69-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 137.9 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																		
1				N. N. E.	N. N. E.	2			30 20	94	89	80		bc	a-s.		3	
2				"	"	1			30 18	92	88	81		"	a-cu		3	
3				"	"	1			30 17	92	86	82		"	a-cu		4	
4				"	Calm	0			30 18	91	85	82		"	cu-s S E.		5	
5				"	"	0			30 19	89	85	82		"	"	"	5	
6				N. N. W.	"	0			30 19	88	84	80		"	"	"	6	
7				S. W.	"	0			30 19	85	80	78		"	"	"	8	
8				North	"	0			30 20	84	80	76		"	"	"	5	
9				N. by E.	"	0			30 19	86	80	77		"	cu-s		6	
10				North	"	0			30 18	85	79	76		"	"		5	
11				N. N. W.	"	0			30 17	83	79	76		"	a-cu		5	
Mid.				E. by N.	"	0			30 15	82	79	77		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, October 3rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Fair to cloudy and pleasant. Gentle to light breeze from N.E. to E.S.E. Barometer falling slowly. Steaming. Course E ½ N. (P.S.C.). Sighted several steamers standing to East'd and West'd. Average steam pressure 38. Revolutions 34.4.

W. J. Marion
Ensign, USN.

4 to 8 AM.

Fair and pleasant. Light breezes from E.S.E. and S.E., decreasing to light airs from S.E. Barometer rising. Sighted Cayne Light about 3½ points on stbd bow, at 4:40 it was broad off stbd. bow by bearing, patent log reading 54.6. Sighted several steamers. Moon rose about 4:45. At 5:00 changed course to S.E. by E. ½ E. (Rac) patent log 56.7, and at 7:24 to S.E. ½ E. (Rac) P.E. 71.7. Under steam alone. Average steam pressure 40 lbs. average revs. 34.4.

W. J. Marion
Ensign, USN.

8 AM. to Meridian.

Clear and fine. Light breeze from S.E. Under steam on two boilers, standing in to Algiers. Under comm of Captain. On course S.E. ½ E. till 8:05 when changed to S.E. ½ S. p.l. 76.0. At 9:00 to S.E. by S. p.l. 82. At 9:30 to S.S.E. p.l. 85.6. At 9:45 to S. by E. ½ E. p.l. 86.5. At 9:50 to S. ½ E. p.l. 88. and hauled in patent log at 10:25 reading 90.8, Notre Dame d'Afrique and the Observatory being in line. Then steering various courses. At 10:35 picked up pilot and stood in to moorings. Fired a salute of 21 guns, French flag at main. Returned by shore battery gun for gun. At 11:00 picked up #4 moorings. Mustered at quarters at 11:30. Let fires die out in "A" Boiler and began distilling from "C" Boiler. Received foraligue

F. R. Baldwin Ensign, USN.

Meridian to 4 PM.

Fair and warm. Light N.W. & W. breezes and airs, calm last hour. Sent officer to return call of French boarding officer. Sent an officer to communicate with Consul. Comdy Officer called officially on the Rear Admiral commanding the port, and at 3:30 the Rear Admiral returned his call. The Mexican Consul, acting for U.S. Consul called on the Comdy Officer.

Ralph Earle
Ensign, USN.

4 to 8 PM.

Clear and warm. At 4:10 the Rear Admiral commanding the Naval Station left the ship and was saluted with 13 guns, French flag at fore. At 4:15 the Acting U.S. Consul left the Ship and was saluted with 7 guns, American flag at fore. The Captain called officially on the Governor and the General commanding the Army. At 4:50 sent down topgallant yards and unbent topgallants sails.

F. R. Baldwin Ensign, USN.

8 PM. to Midnight.

Fair, calm, and pleasant. Barometer falling.

Ralph Earle
Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Head Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd **Rate,**

Moored to buoy, Algiers

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, eighths.	State of the Sea.
A. M.																		
1				S. E. by S.	Calm.	0			30 13	83	78	75		bc	cu-n		8	
2				S. by W.	"	0			30 14	82	78	75		"	"		7	
3				"	"	0			30 11	82	77	75		"	"		6	
4				"	"	0			30 11	82	77	75		"	"		4	
5				S. W. by S.	"	0			30 11	81	76	73		"	"		4	
6				S. W.	N. W.	0-1			30 11	80	76	73		"	cu		3	
7				N. W. by W.	"	0-1			30 13	83	77	74		"	"		3	
8				East	"	0-1			30 14	81	82	76		"	"		3	
9				N. E.	"	1			30 14	84	87	79		"	"		2	
10				"	"	2			30 14	84	87	79		"	"		2	
11				North	"	2			30 14	84	83	78		"	"		2	
Noon.				"	"	2			30 14	84	83	80		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. For. Aft.
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' " 75·73 72-69
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, 1 tons, 910 lbs.

Coal remaining on hand at noon, 138 " 1303 "

P. M.																		
1				N. by E.	North	4			30 11	86	82	79		bc	cu		4	
2				"	"	4			30 11	86	82	78		"	"		4	
3				"	"	3			30 13	87	82	78		"	cu-cu		6	
4				N. E.	"	3			30 13	87	82	78		"	a-cu		7	
5				N. N. E.	Calm.	0			30 12	85	80	79		"	cu-n		4	
6				N. by E.	"	0			30 12	80	77	76		bclw	"		6	
7				E. S. E.	"	0			30 13	80	77	76		"	a-s		6	
8				S. S. W.	"	0			30 14	82	77	76		"	"		3	
9				W. S. W.	"	0			30 14	81	77	75		bcw	cu		2	
10				N. N. W.	"	0			30 15	81	77	77		"	"		1	
11				N. by E.	"	0			30 15	81	77	77		"	"		3	
Mid.				"	"	0			30 15	80	77	76		bw	Time		0	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, October 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy to fair. Calm. Distilling.

C. M. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Clear and pleasant. Calm to light N.W. Grs airs. Received in Pay Dept. for issue 150 lbs fresh bread, 198¾ lbs each of meat and vegetables. A French torpedo-boat left the harbor. At 7:30 hoved sail.

J. R. Baldwin, Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light N.W. Gs airs and breezes. At 9:30 mustered at quarters, no absentees. Held routine divisional drills. By order of the Comdg Officer released R. Comeraco, a.s.c., from confinement, his term having expired; placed L. Franco, Fda., for impudence to M.A., in solitary confinement on bread and water for 3 days; and assigned one weeks extra duty to J.W. Hyde, a.s.c., for disobedience of orders. The Comdg Officer returned the call of the U.S. Consul. The aide to the General commanding the army returned the call of the Comdg Officer. At 11:30 furled sail. The French torpedo-boat returned to port at noon.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and cloudy. Moderate to light breezes from North. The Acting Governor of Algiers called on the Commander and upon leaving was saluted with 17 guns, the French Ensign at the fore. Gave instruction to deficient apprentices.

C. M. Fahs
Lieut., U.S.N.

4 to 8 P.M.

Fair, pleasant, and calm. At 6:30 stopped distilling and banked fires under boiler C.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Calm.

C. M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

E. F. Leppien
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Algiers

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, reduced.	State of the Sea.
A. M.																		
1				N. W. by W.	Calm.	0			30 13	81	76	75		bw	mm		0	
2				W. S. W.	"	0			30 13	80	75	74		"	"		0	
3				S. W. by W.	"	0			30 13	80	75	74		"	"		0	
4				"	"	0			30 13	80	75	73		"	"		0	
5				S by W.	"	0			30 13	80	75	73		bc	ci		1	
6				S W	"	0			30 13	80	74	72		"	"		1	
7				S. W. by W.	"	0			30 13	81	77	75		"	"		1	
8				S. E.	"	0			30 19	75	83	79		"	"		1	
9				E. by S	"	0			30 21	85	84	80		"	"		2	
10				East	"	0			30 21	89	85	81		"	ci. s.		3	
11				N. E. by E.	"	0			30 22	92	87	82		"	"		7	
Noon.				"	"	0			30 23	91	84	83		"	"		8	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. Aft.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 76-74 77-72
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass: 2

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 460 "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 137 " 1743 "

P. M.																		
1				North.	North.	2			30 22	91	88	83		bc	ci. s.		8	
2				"	"	2			30 21	90	87	82		"	"		6	
3				N by E	"	2			30 20	90	87	81		"	"		6	
4				"	"	2			30 20	87	87	80		"	"		6	
5				N by W	"	1			30 22	85	84	79		"	"		6	
6				N. W.	"	1			30 23	84	83	77		"	"		7	
7				S W.	Calm	0			30 23	84	79	77		"	ci.		2	
8				W S W.	"	0			30 23	84	79	77		"	"		1	
9				"	"	0			30 23	84	79	77		"	"		2	
10				W by N.	West.	1			30 24	83	79	76		"	"		5	
11				South	Calm	0			30 25	84	78	76		"	"		5	
Mid.				East.	"	0			30 25	84	78	76		"	"		4	

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, October 5th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and calm. Barometer steady.

Ensign, USN.

4 to 8 A.M.

Clear, warm, and calm. Received in Pay dept.; 159 lbs of fresh bread, and 198¾ lbs each of fresh meat and vegetables

Ralph Earle,
Ensign, USN.

8 A.M. to Meridian.

Fair and warm. Calm. At 9:30 inspected at quarters and exercised at routine drills. An officer called returning the call of the Commander upon the Governor General and Honorary President of the Council of State of Algeria. The Commander awarded the following punishments:- J. Robins (App's 3.c.), Slow at drill, 4 hrs extra duty; J. W. F. Hyde (App. 3.c.), Clothes in lucky bag, 4 hrs extra duty.

C. M. Fahs,
Lieut, USN.

Meridian to 4 P.M.

Fair and warm. Light breeze from North. Barometer falling slowly. At 12:35 French mail steamer left the port and at 2:00 French mail steamer came in Sent liberty party ashore. Instructed second division in heaving lead, seamanship, gunnery and signals.

Ensign, USN.

4 to 8 P.M.

Cloudy and pleasant. Light airs from North first part. Calm last hour. By order of the Commander placed A. McGregor (BM. 2.c.) in single irons pending investigation, for smuggling liquor. At 6:30 commenced distilling.

C. M. Fahs
Lieut, USN.

8 P.M. to Midnight

Fair and warm. Calm and light West airs. Barometer rising.

Ensign, USN.

Examined and found to be correct.

S. F. Leper
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, scale of 10.	State of the Sea.
A. M.																		
1				E.S.E.	Calm.	0			30.24	81	77	75		bew.	cu.		1	
2				W.S.W.	"	0			30.24	82	78	75		"	"		2	
3				South	W.S.W.	1			30.24	82	78	75		"	s-cu		8	
4				W.S.W.	"	1			30.24	81	77	75		"	a-cu		4	
5				N.W.	"	1			30.24	82	76	75		"	"		4	
6				N.E.	S.S.W.	1			30.24	81	76	74		bc	"		6	
7				S.W. by S.	Calm.	0			30.25	81	76	75		"	"		7	
8				S.E. by S.	"	0			30.26	83	80	77		"	"		7	
9				E.S.E.	S.E.	1			30.26	85	79	77		bsp.	cu.n.		8	
10				East	"	1			30.27	85	79	77		oc	"		10	
11				N.E.	East	1			30.27	88	81	77		"	"		10	
Noon.				N.N.E.	N.E.	2			30.27	88	82	77		"	"		10	

Position at 8 A. M. { Latitude by ° ' " Mag Temp
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 76-77 75-76
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water dist-illed during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 136 " 1283 "

P. M.																		
1				N.W. by N.	N.W. by N.	3			30.25	86	83	77		oc	a-s.	—	10	
2				N.W. by W.	N.W.	3			30.25	83	81	77		"	"	—	10	
3				N. by W.	"	3			30.25	83	80	77		bc	"	N.W.	8	
4				N.W. by N.	Variable	0-1			30.27	86	81	78		"	a-cu	"	8	
5				S.W.	"	0-1			30.25	82	79	76		"	"	"	8	
6				"	"	0-1			30.25	80	78	76		"	"	"	8	
7				W. by S.W.	Calm.	0			30.25	80	78	75		"	"	"	8	
8				West	"	0			30.25	80	78	76		"	"	"	7	
9				S.W. by S.	"	0			30.25	82	78	76		"	"	—	6	
10				South	S.S.E.	1			30.24	82	78	75		oc	n.	—	10	
11				S.E.	Calm.	0			30.24	81	78	76		"	"	—	10	
Mid.				W.N.W.	W.N.W.	3			30.24	79	78	75		bc	"	—	8	

4—15

under the command of Commander Frank Courtis, U. S. Navy,

Friday, October 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant, with heavy dew. Calms and light airs from W. S. W. Barometer steady.

W. J. Manion,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Light airs from W.S.W. to S.S.W. first part, calm latter part. At 6:00 stopped distilling. T. O'Shelton (Fds) and J. E. Shepherd (Fds) returned on board 13½ hrs. over liberty each. Received in Pay dept fresh provisions as follows:- 159 lbs of bread, 198½ lbs. meat, and 198½ lbs. of vegetables. At 7:25 crossed topgallant yards.

C. McCabe
Lieut., U.S.N.

8 A.M. to Meridian.

Cloudy and warm. Light variable airs and breezes. Barometer steady. At 9:30 went to general quarters, all divisions reported ready in 4 minutes. Secured at 9:44, all divisions reporting secure in 3½ minutes. After exercise mustered crew, absentees:- M. Mahoney (C.G.M), T.P. Sweeney (Sea), and W. J. Drummond (Sea). By order of the Captain J. Franco (Fds) and C. Hartman (App 3.C) were released from confinement, their terms having expired. By the same authority A. McGregor (B.M 3.C) was confined in solitary confinement on bread and water for five (5) days, for attempting to smuggle liquor. The Captain assigned the following punishments:- L. Placet (App 3.C), Contracting loathsome disease, 4th Class; A. McGregor (BM 2.C), Attempting to smuggle liquor, 5 days solitary confinement on bread and water. J. L. Bigham (Cox) returned from liberty 16 hours overtime and J. Drummond (Sea) 16½ hours overtime and tight. Several steamers came in and left port during the watch. Commenced distilling at 8:00. Cleaned and disinfected bilges. Tested magazine flood & drain cocks & found them in good order.

W. J. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Gentle breezes from N.W by N. and N.W. falling to light airs from various directions and calms. Barometer steady but rising slowly last hour. Sent liberty party ashore. Drilled all 3rd division at lead and compass, and those of the division in branches in which they were deficient, seamanship and gunnery.

W. J. Manion
Ensign, U.S.N.

4 to 8 P.M.

Cloudy and warm. Light variable airs and calms. Barometer steady. Exercised at crossing and sending down royal yards. Liberty party returned on board, 9 absentees.

W. J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Generally cloudy and pleasant, with light passing showers at times. Calms and light airs from S.S.E., increasing last hour to gentle breeze from W.N.W. Barometer steady. Steamer came in about 8:00 having two white lights at peak, she hauled them down about 8:15. This vessel displayed same lights during same time.

W. J. Manion,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,
Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Kinds of.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				W. N. W.	W. N. W.	3			30 25	79	78	75		bc	cu-n	nw	9	
2				"	"	3			30 25	79	79	75		"	"	"	9	
3				"	"	3			30 24	78	78	74		"	"	"	8	
4				"	"	3			30 24	79	77	74		bcp	"	"	8	
5				West.	"	3			30 23	80	78	73		bc	"	"	8	
6				"	W. by N.	3			30 23	79	78	72		bcp	"	Cu	8	
7				N. by W.	"	3			30 24	79	78	72		"	"	-	8	
8				W. N. W.	"	3			30 24	79	70	72		"	"	-	8	
9				"	"	3			30 27	83	78	72		bc	"	-	8	
10				W. by N.	"	3			30 28	83	78	72		"	"	W.	8	
11				"	"	3			30 29	83	78	72		"	"	-	8	
Noon.				"	"	3			30 29	83	80	75		"	"	-	7	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: { Latitude by observation ° ' " 77. 76 74. 76
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 10 lbs.

Coal remaining on hand at noon, 135 " 1273 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Kinds of.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1				W. N. W.	W. N. W.	2			30 26	84	80	76		bc	cu-n	-	7	
2				"	"	3			30 20	83	79	75		"	s-cu	-	6	
3				N. W.	"	4			30 24	83	79	75		"	"	nw	6	
4				N. W. by W.	"	4			30 23	83	79	75		"	"	"	6	
5				W. N. W.	"	3			30 23	81	79	74		"	cu. s.	-	6	
6				"	"	3			30 22	79	78	75		"	cu-cu W.		6	
7				"	"	3			30 22	77	75	73		"	cu-s.	-	2	
8				South	Variable	1			30 23	80	76	74		"	"	-	3	
9				"	Calm	0			30 24	80	75	73		bw	none	-	0	
10				S. W.	S. S. W.	1			30 25	79	76	73		"	"	-	0	
11				"	"	1			30 25	78	75	73		"	"	-	0	
Mid.				W. S. W.	Calm	0			30 25	79	73	72		"	"	-	0	

under the command of Commander Frank Courtis, U. S. Navy,
Saturday, October 7th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Gentle breeze from W. N. W. Barometer steady. Finished distilling at 1:30 and let fires die out.

J. P. Baldwin Ensign, USN.

4 to 8 A.M.

Cloudy and pleasant. Gentle breeze from W. N. W. and W. by N. Barometer steady. Received in Pay Dept. following fresh provisions for issue to the crew:- 189 lbs. bread and 198¾ lbs. each of beef and vegetables. Several steamers came into port. Cleaning ship.

W. Griffin
Ensign, USN.

8 A.M. to Meridian.

Fair and pleasant. Gentle breezes from W. by N. Barometer rising slowly. Crew engaged in cleaning ship. The French torpedo gunboat Gaguc came in and moored to buoy, South of us about 9:30. An officer from this ship made boarding visit. Absentees at 9:30:- M. Mahoney (Ch. G.M.), T. P. Sweeney, (Sea), the latter E. G. Rogers (W.T.), R. Jones (Yeo. 3.C.) and R. N. Hudson (App. 2.C.), returned on board about 10:50, being 17½ hours over liberty, and clean and sober. Punishments awarded by the Comdg Officer: J. B. Shepherd (Sds) and S. Whetton (S.C. 4.C.) 13½ hours over liberty - each reduced to 3rd Conduct Class; J. L. Bigham (Cox.) 16 hours over liberty - reduced to 3rd Conduct Class; W. J. Drummond (Sea.), 16½ hours over liberty and light - reduced to 3rd Conduct Class; O. Ewell (Blacksmith), returning from liberty light - reduced to 2nd Conduct Class; W. J. Dogan (Sds), creating disturbance on spar deck - 2 hours extra duty.

W. H. Manion,
Ensign, USN.

Meridian to 4 P.M.

Clear and fine. Light to moderate breeze from W. N. W. The Comdg Officer of the French Gunboat "Gaguc" called officially on the Captain. Sent liberty party of men and boys ashore.

J. P. Baldwin Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Gentle breezes from W. N. W. falling to light airs last hour from various directions. Barometer steady. Liberty party of apprentices returned on board about 5:30, no absentees.

W. H. Manion,
Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Calm and light airs from S. S. W. Barometer steady. M. Mahoney (C.G.M.) returned to the ship 00 hours over liberty.

J. P. Baldwin Ensign, USN.

Examined and found to be correct.

F. F. Lieper
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from	Lowest, observed	State of the Sea.
A. M.																		
1				W. S. W.	W. S. W.	1			30 23	79	73	72		bc	a. s.		1	
2				S. S. E.	S. W.	1			30 23	77	73	72		"	"		1.	
3				W. by S.	"	1			30 22	77	73	72		bcl	"		1	
4				W. S. W.	"	1			30 22	78	73	72		"	"		1	
5				"	"	1			30 22	79	79	72		bcw.	"		1	
6				S. by W.	S. S. W.	1			30 22	78	79	70		bc	"		3	
7				S. W.	"	1			30 23	79	74	72		"	a. s.		6	
8				S. E.	"	1			30 26	84	77	74		"	"		7	
9				S. E. by E.	Calm.	0			30 27	84	82	78		"	a. cu		3	
10				"	"	0			30 27	84	82	78		"	"		3	
11				E. by N.	"	0			30 27	86	82	78		"	"		3	
Noon.				W. by N.	W. N. W.	2			30 27	87	84	78		"	a. s.		3	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " Fwd Aft.
77-76 78-76

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 45-0 lbs.

Coal remaining on hand at noon, 135 " 823 "

P. M.																		
1				N. W. by W.	W. N. W.	3			30 26	87	84	78		bc	a. s.		3	
2				"	"	3			30 25	87	84	78		"	"		6	
3				N. N. W.	"	2-3			30 25	86	84	78		"	"		6	
4				"	"	2			30 25	86	83	78		"	"		6	
5				S. S. W.	S. W.	1			30 26	86	80	78		"	"		7	
6				S. W.	Calm.	0			30 28	84	77	74		"	"		5	
7				W. S. W.	"	0			30 28	84	76	74		"	"		6	
8				S. S. W.	"	0			30 29	82	76	73		"	a. cu		4	
9				"	"	0			30 29	82	76	73		"	"		4	
10				S. W.	"	0			30 29	82	76	74		"	"		4	
11				South	"	0			30 29	82	75	74		"	"		4	
Mid.				S. W.	W. S. W.	1			30 29	82	75	74		"	cu. n	S	4	

4—15

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, October 8th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light W.S.W'ly to S.W'ly airs.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs from S.W. and S.S.W. Barometer rising slowly. Received in the Dept. of Supplies and Accounts the following fresh provisions for use of the crew: 159 lbs bread, 198½ lbs meat, 198½ lbs vegetables.

W. F. Manion,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and warm. Calm and light breeze from W.N.W. Barometer steady. Mustered at quarters at 9:30. Absentees:- F.E. Rogers (W.S.), and T.P. Sweeney (Sea). The Captain inspected the ship and crew at quarters. Held divine service. At 10:30 F.E. Rogers returned to the ship 4½ hours over liberty. The Captain awarded punishment as follows:- M. Mahoney (C.S.M.), 50 hours over liberty, 4th Class. C.R. Jones (App. 3.C.) and R.N. Hudson (App. 3.C.) 3rd Class for being 1½ hours over liberty. C.D. Simpkins (App. 3.C.) Quarantined in next port for being brought on board by local police. F.T. Wellings (App. 3.C.) and J.A.M. Foley (App. 3.C.) 4th Class for returning from liberty tight. And E.J. Colby (App. 3.C.) was confined for three days on bread and water for being brought on board by local police tight.

J. R. Baldwin, Ensign, U.S.N.

Meridian to 4 P.M.

Fair to cloudy and pleasant. Light to gentle W.N.W'ly breezes. T.P. Sweeney (Sea) returned on board ½ hours overtime. Many visitors on board.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light S.W'ly airs first hour, then calm.

J. R. Baldwin, Ensign, U.S.N.

8 P.M. to Midnight

Fair and pleasant. Calm to light W.S.W'ly airs.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

P. F. Leeper
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, tenths.	State of the Sea.
A. M.																		
1				S. W.	S. W.	2			30 30	78	75	72		bc.	cu-m		3	
2				W. by S.	"	1			30 30	78	75	72		"	"		3	
3				W. by N.	"	1			30 30	77	78	72		"	a-cu		2	
4				"	"	1			30 29	77	74	72		"	"		1	
5				W. S. W.	Calm.	0			30 29	80	74	72		"	a-cu		1	
6				"	"	0			30 30	80	74	72		"	a-s.		1	
7				S. W. by W.	"	0			30 32	79	76	71		"	"		1	
8				E. S. E.	"	0			30 34	81	80	76		"	"		2	
9				N. by W.	N. E.	1			30 36	82	81	77		"	"		2	
10				"	"	1			30 38	86	84	78		"	"		4	
11				"	North	2			30 38	85	83	78		"	cu		3	
Noon.				N. N. E.	"	2			30 38	84	82	78		"	"		3	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " Sea

Position at noon: { Latitude by observation ° ' " 76-78 78-77
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 185 " 378 "

P. M.																		
1				North.	North.	2			30 36	82	83	78		bc.	cu-cu		3	
2				"	"	2			30 35	83	82	77		"	cu		2	
3				N. N. E.	N. N. E.	1			30 35	84	83	79		"	a-s.		2	
4				"	"	1			30 35	84	82	79		"	"		2	
5				"	"	1			30 36	84	82	79		"	"		4	
6				"	Calm.	0			30 38	82	81	78		"	"		3	
7				E. N. E.	N. E.	1			30 37	80	79	71		"	"		3	
8				E. S. E.	"	1			30 39	82	79	76		"	"		2	
9				S. S. E.	Calm.	0			30 39	83	77	76		"	"		3	
10				S. by W.	"	0			30 39	82	76	75		"	"		2	
11				S. S. E.	"	0			30 39	81	76	75		bc.	None		0	
Mid.				S. W. by S.	"	0			30 39	79	76	75		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday October 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light breeze to light airs from S.W. Heavy swell running outside the breakwater.

Emil Fahs
Lieut., U.S.N.

4 to 8 A.M.

Clear and fine. Calm. Barometer rising. Several steamers came in. Rolling in long swell first hour, 3° each side and about 6 times a minute. Received in Pay dept. for issue 159 lbs. bread, 198½ lbs each fresh meat and vegetables.

W. L. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light N. E'ly airs with light North'ly breezes last half. At 9:30 mustered at quarters, no absentees. Held routine divisional drills. The Comdg Officer called officially on the Comdg Officer of the French torpedo gunboat "Zaque". The Comdg Officer assigned the following punishments: F. C. Rogers, W.T., 40 hours over leave, 4th Class; C. F. Reiff, and J. Holmes, A.B.C., shirking, 8 hours extra duty.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and warm. Light breeze from North to light airs from N. N. E. Apprentices received instruction at compass, heaving the lead, and gunnery. The U.S. Consul called upon the Commander, but was not saluted upon leaving as he requested that none be fired.

Emil Fahs
Lieut., U.S.N.

4 to 8 P.M.

Fair and pleasant. Calms to light airs from N.E. to N.N.E. The U.S. Consul left the ship at 4:30. Moon set at 7:46.

Ralph Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and calm.

Emil Fahs
Lieut., U.S.N.

Examined and found to be correct.

P. H. Leiper,
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving form.	Amount, eighths in	State of the Sea.
A. M.																		
1				N. W by W	N. W.	1			30 38	79	76	75		bw	mne		0	
2				N. N. W	Calm	0			30 38	79	75	75		"	"		0	
3				N. & by E	"	0			30 38	79	75	74		"	"		0	
4				East	"	0			30 38	79	74	74		"	"		6	
5				S by E	"	0			30 39	82	74	73		"	"		0	
6				E. N. E.	"	0			30 39	80	74	73		bc	cu		1	
7				East	"	0			30 43	82	77	74		"	"		1	
8				E. N. E.	"	0			30 44	84	80	77		"	"		2	
9				"	"	0			30 47	86	82	79		"	"		2	
10				"	"	0			30 47	87	83	80		"	"		3	
11				N. N. E.	"	0			30 47	87	83	80		"	"		3	
Noon.				"	N. E.	1			30 47	87	83	79		"	"		3	

Position at 8 A. M. { Latitude by ° ' " Mag Temp
Longitude by ° ' " For Aft.

Position at noon: { Latitude by observation ° ' " 77.76 77.76
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 46-0 lbs.

Coal remaining on hand at noon, 194 " 2163 "

P. M.																		
1				N. E.	N. E.	2			30 47	87	84	79		bc	a-cu		4	
2				"	"	3			30 46	88	84	80		"	"		4	
3				E. N. E	"	3			30 46	87	84	80		"	cu		4	
4				"	E. N. E	3			30 45	86	84	79		"	a-cu		6	
5				"	"	2			30 45	84	79	76		"	a-cu	3.8	7	
6				N. E. by E	"	2			30 45	80	76	74		"	"	"	8	
7				E. by N.	"	1			30 44	82	76	74		bw	a-cu	"	2	
8				"	"	1			30 44	82	76	75		"	"	"	2	
9				E. N. E	"	2			30 44	82	75	75		bw	mne		0	
10				"	"	2			30 44	82	74	73		"	"		0	
11				East	"	1			30 43	82	74	73		bw	cu		1	
Mid.				North	"	1			30 43	80	74	73		"	"		1	

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, October 10th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and damp. Light N. W. & airs and calms. Barometer steady. One steamer left port and two entered.

G. Hall Gleu
Ensign, USN.

4 to 8 A.M.

Clear, pleasant and calm. Received on Pay Dept. 109 lbs of bread, and 193½ lbs. each of meat and vegetables.

Ralph Earle,
Ensign, USN.

8 A.M. to Meridian.

Fair and warm. Calm first three hours, light N. E. airs last hour. By order of the Commander released from confinement and restored to duty E. J. Colby (a.s.) The Commander awarded the following punishments:- C. F. Raff (app. s. c.) and J. Holmes (app. s. c.), for lying, 5 days confinement on bread and water for each, and they were confined accordingly. At 9:30 inspected at quarters drills 1st period, as per routine; 2d period "All boats" Arm and Away for Cutting out"- all boats ready in 4½ minutes. Secured in 2 minutes. Exercised Apprentices of the first division at learning the lead, and at compass instruction.

C. McFahs
Lieut, USN.

Meridian to 4 P.M.

Fair and warm. Light to gentle breeze from N. E. and E. N. E. Barometer falling slowly. Instructed 2nd division in starboard gunnery, lead and compass. At 3:00 called away boats for exercise under sail. The Aide to the French Admiral, Lieut Barthelmy made a call on the Comdg Officer. The mail steamer came into port.

G. Hall Gleu
Ensign, USN.

4 to 8 P.M.

Cloudy to fair. Light E. N. E. breeze and airs. Served out clean hammocks. The Commander returned the U.S. Consuls visit.

C. McFahs.
Lieut, USN

8 P.M. to Midnight

Clear and pleasant. Light airs and breezes from E. N. E. Barometer steady.

G. Hall Gleu
Ensign, USN.

APPROVED.

Frank Courtis
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

P. L. Lipsett.
Lieut. Navigator.

